

Warning on chemical costs

By Andrew Fisher
In Frankfurt

Germany's chemical industry compares poorly with its main competitors in terms of productivity, costs and growth, the industry employers' association (BAVC) said in a statement made with one eye on the next wage round.

West German companies had the highest labour costs, which were not offset by productivity increases. Between 1985 and 1993, productivity growth was the lowest among the main chemical producing countries, it said.

Germany's productivity increase was only 14.3 per cent in this period, well behind the UK which headed the list with 49 per cent, France with 40 per cent and Japan with 33.5 per

cent. Also well ahead of Germany were the US and Italian chemical sectors with growth of 25 per cent each.

However, the BAVC said 1994 had seen the start of an improvement in the German industry.

Results from the big German chemical groups show a steep rise in profits, with Hoechst gaining 83 per cent at the pre-tax level in the first nine months, Bayer 32 per cent and BASF 99 per cent.

In view of the structural challenges facing the sector, the BAVC called for a "sensible" wage settlement in 1995.

IG Chemie-Papier-Keramik, the industry's trade union has put in a chain for between 5 and 6 per cent for the 700,000 employees in the west German industry.

Highlighting the competitive strength of foreign companies, the BAVC said the German chemical industry compared poorly in terms of actual pro

ductivity levels as well as in productivity growth rates.

Turnover per employee in 1993 was DM348,500 (US\$144,000) in the west German industry compared with DM482,000 in the US and DM825,000 in Japan. The

German level was also below that of important competitor countries such as France, Switzerland and Italy. Only Britain was behind Germany, but the gap is being closed.

As in other industries, Germany's labour costs in the chemical industry lead the world. The BAVC said hourly labour costs were nearly DM60, just ahead of Japan with DM58. The figure for the US industry was DM35 compared with France's DM48, Britain's DM34 and Italy's DM36. It gave no figure for Switzerland, where labour costs are also high.

Commenting on worldwide growth levels in the industry in 1985-93, the BAVC said Germany lagged behind Japan, France, the UK and the US but was ahead of Italy.

Productivity growth in west Germany 'the lowest among main chemical producers'

Productivity growth in west Germany 'the lowest among main chemical producers'

Walesa refuses to accept minister's resignation

By Christopher Bobinski
In Warsaw

Polish president Lech Walesa said yesterday that he would not accept the resignation of Mr Andrzej Olechowski as foreign minister and asked him to resume his duties.

Mr Olechowski, who has taken leave of absence from the new year, welcomed the statement but said that he was still waiting for the issue on which he had offered his resignation to be resolved.

Mr Waldemar Pawlak, the prime minister, last night had yet to say whether he accepts Mr Olechowski's resignation.

Mr Olechowski is demanding that the courts rule on whether he broke the law by continuing to head the board of the state-owned Bank Handlowy while holding public office. He said at the new year that he would not be carrying out his duties until the court ruling, which is expected in the middle of this month.

Mr Olechowski made the move after his name appeared



A Polish shopkeeper displays nuts showing the new and old zloty prices yesterday after Poland sliced four zeroes off its currency from January 1. Prices will have to be displayed in the two denominations for the next two years.

Hungary's communist-era forint coins will go out of circulation on June 30 this year, the National Bank of Hungary said yesterday. The central bank also announced a 1.4 per cent devaluation of the currency, with analysts forecasting a heavier one later this month.

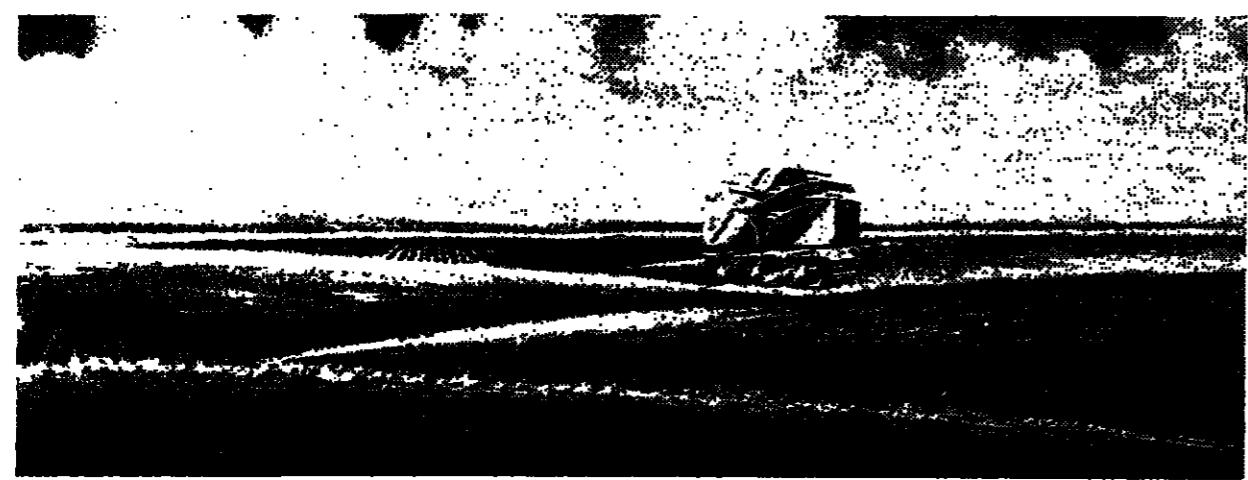
on a list of government officials who also hold paid directorships of state-owned companies. The resignation has left a void at the top of the foreign ministry amid a deepening conflict between the president and the government over the still vacant post

of defence minister.

Mr Walesa yesterday told Mr Pawlak that he would agree to no other candidate than Mr Zbigniew Okonski whom he is seeking to have appointed as defence minister against the government's wishes.

Under Poland's interim constitution, government appointments have to be agreed between the president and prime minister and this has given rise to frequent turf wars as Mr Walesa seeks to establish a dominant hold over three ministries - defence, internal and foreign affairs.

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The Circuit

Kurdish rebels kill 19 in Turkey

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The rebels of the separatist Kurdish Workers party (PKK) abducted three men as they fled in the dark.

Troops were combing the area in a search for the guerrillas.

Hamzali is one of the villages in south-east Turkey which refuse to support the rebels and provide men to serve as village guards paid by the government. They are often the target of PKK attacks.

"They attacked Hamzali because the village did not support them. It was a guard village," one official said.

President Suleyman Demirel reacted angrily to news of the attack.

Mr Demirel said he wanted to "bring this savagery before the attention of our people and of the world."

"I ask everyone to refrain from supporting this movement [PKK] directly or indirectly," Mr Demirel said. "This incident which deprived 19 of our citizens of their right to live is the ultimate violation of human rights."

Turkey itself faces strong western criticism for alleged human rights abuses, mostly in the south-east where troops have been fighting PKK guerrillas since 1984.

More than 14,000 people, including 3,500 civilians, have been killed in the PKK's 10-year-old fight for a separate Kurdish state in the south-east of the country.

Mr Yegor Gaidar, the former prime minister, who remains one of Russia's foremost liberal politicians, uttered a seemingly alarmist warning when troops entered Chechnya three weeks ago.

If the action sparked a war, he said, "we will, with absolute certainty, see the collapse of democratic institutions in Russia within a few months".

As hundreds die in the conflict that has engulfed the breakaway region, there are signs that things are moving in just the direction feared by Mr Gaidar.

The political mood in Moscow has changed markedly in recent weeks. President Boris Yeltsin is growing more isolated and unpopular, distancing himself from his former liberal supporters, and increasingly relying on his own presidential administration and the "power ministries" of defence, interior and counter-intelligence.

A panel of political experts, regularly polled by NTV, the independent television channel, highlights a significant shift in the perceptions of who wields political power.

In the latest poll shown on Sunday, the experts continued to rank Mr Victor Chernomyrdin, the prime minister, as the most influential politician in the country after Mr Yeltsin. But no other government minister who could be considered vaguely liberal or reformist made it into the top 10.

Mr Gaidar, who heads the Russia's Choice grouping in parliament, fell to 10th position.

The big gainer in the poll

were the members of Russia's security council, a secretive body which has been orchestrating policy towards Chechnya and which many commentators liken to the Soviet politburo.

Also seen as gaining influence were the shadow figures whose main distinction is their close proximity to the president.

Mr Victor Ryzhikov, a presidential aide, and Mr Alexander



Cold war: Russian soldiers and tanks besieging a target in Chechnya

Picture: Reuters

Liberals in the cold as Russia hardens line

John Thornhill on the new mood over Chechnya

Mr Yegor Gaidar, the former prime minister, who remains one of Russia's foremost liberal politicians, uttered a seemingly alarmist warning when troops entered Chechnya three weeks ago.

The liberals, meanwhile, are also distancing themselves from Mr Yeltsin in a way that may ensure that their prophecies of gloom are self-fulfilling.

Russia's Choice, the liberal parliamentary faction which has been sharply critical of the use of force in Chechnya, has withdrawn its support for the president.

It is also considering pulling its four representatives out of the government: Mr Anatoly Chubais, the first deputy prime minister, Mr Victor Danilov-Danilin, the environment minister, Mr Boris Saltykov, the science minister, and Mr Yuri Sidorov, the culture minister.

The possible withdrawal of these ministers - particularly Mr Chubais, the mastermind of Russia's privatisation programme - could deal a heavy blow to the government's reformist credentials.

The liberals suggest that the authority of some of these ministers is already being undermined.

Mr Vladimir Polivanov, who succeeded Mr Chubais as head of the privatisation agency, has implicitly attacked his predecessor and spoken of the need for re-nationalisation.

Mr Oleg Soskovets, the foreign minister, who quit Russia's Choice over its policy towards Chechnya, also argues eloquently that democracy is not dead and that there was no alternative to force in Chechnya, given Russia's statehood.

Russia's liberals respond that they accept the need for the state to assert itself, but they are nervously wondering what sort of state Russia is becoming.

Russian accusations that Ukrainian nationalists have been backing the Chechen regime.

Mr Gennady Udomenko, the Ukrainian foreign minister, rejected the claim but was sufficiently alarmed to warn Moscow "to refrain from playing out the Ukrainian card in the wake of the Chechnya conflict".

He accused Russia of using "incorrect and tactless terminology from the arsenal of the repressive Stalin regime".

The Russian foreign ministry has also been quick to condemn the Baltic states which had the temerity to criticise its Chechen policy.

A formal protest from the Estonian foreign minister about human rights violations in Chechnya met with a stinging response from their Russian counterparts.

"This is not the first time that the Estonian foreign ministry has lost its bearings about Russian developments," an official said.

Some pro-Yeltsin politicians still insist that the political passions inflamed by war will die down once the crisis is resolved.

Mr Sergei Filatov, the Kremlin's chief of staff, predicts that the rift between the president and the democrats will be only temporary. Once the Chechen crisis is over, the democrats will re-pledge their support for Mr Yeltsin as elections approach and they realise that all other viable presidential candidates would be far more inimical to democracy.

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INTERNATIONAL NEWS DIGEST

Investment blow to Sri Lanka

Ansell, the Australian rubber products company, is closing its A\$200m (£100m) venture in Sri Lanka because of labour unrest and is to move production to Burma. Ansell Lanka, operating in the free trade zone near Colombo, the capital, employed several thousand workers producing surgical gloves out of local rubber. The move is a blow to the five-month-old People's Alliance government of President Chandrika Kumaratunga.

Australian officials blame Mr Mahinda Rajapakse, labour minister, for attempting to set up a party-affiliated trade union at Ansell. Unions are prohibited in the export promotion zones established by the conservative United National party which lost power in last August's election. Violent labour disputes have recently hit two other foreign ventures, Korea-Ceylon Footwear and the Japanese-controlled Northgate-Lanka Petroleum. A new year's eve strike at the Ramada hotel heralded possible further disruption in the tourism sector; the country is witnessing the largest number of tourist arrivals since 1982.

In a further outbreak of unrest directed at foreign installations, a Voice of America relay station under construction north of Colombo has been attacked by villagers. The project has been the target of a campaign led by the local Catholic bishop supported by Buddhist clergy, environmentalists and farmers and fishermen. *Merlyn de Silva, Colombo*

Malaysian deal in Cambodia

Ariston, a Malaysian private company, yesterday signed a \$100m (£500m) deal to develop a tourism and infrastructure project in Cambodia. The agreement constitutes the largest single investment to date in Cambodia, making up the bulk of the \$2bn in investments approved since the ratification of the country's new investment law in August last year. Ariston, controlled by Malaysian entrepreneur Chen Lip Keong, said the project would serve as a catalyst for other Malaysian companies to invest in Cambodia.

Mr Chen said the first step would involve turning Sihanoukville's domestic airport into Cambodia's second international air gateway and the construction of a hotel and casino resort which will take about three years to complete. The project also included a highway linkage from the airport to Sihanoukville port, a power plant with maximum capacity of 100MW to supply the Sihanoukville area, water supply and treatment, a sewerage system, an industrial estate, and commercial and residential development. Most of the infrastructure projects have been awarded on a build-operate-transfer basis for a 15-year period. *Reuter, Kuala Lumpur*

Construction group thinks big

A proposal by an Australian company to build the world's tallest office building in Melbourne - a city with 24 per cent office vacancy - won support from the Victoria state government yesterday. Mr Pat McNamara, Victoria's deputy premier, said the proposal by the Grollo construction group to build the 500-metre building reflected a "new spirit of enthusiasm" in the state, which was hit hard by Australia's recent economic recession. "I think this is a terrific vote of confidence in Melbourne - it's not something that would have been considered a couple of years ago," he said.

The construction group's chief executive, Mr Bruno Grollo, said on Sunday he wanted to build a three-sided gold tower, representing the sun and the moon and the planets and stars. The tower, which would cost more than A\$1bn (£500m), would proceed if the Grollo group could fill the tower's office space, he said. He said that Mr Jeff Kennett, the Victoria premier, had pledged to help by providing public service tenancies. The Sears Tower in Chicago, at 442 metres, is currently the world's tallest building. Australia's tallest building is the 253-metre Rialto Tower in Melbourne. *Reuter, Melbourne*

Ousted Somali president dies

Former Somali president Mohamed Siad Barre, left, has died in exile in Nigeria. In Mogadishu, the Somali capital, a United Nations spokesman said Mr Barre had died from a heart attack. Mr Barre, who seized power in a 1969 coup, was toppled in January 1991 by forces loyal to faction leader Mohamed Farah Aideed and the man who declared himself president after Mr Barre left, Ali Mahdi Mohamed. Mr Barre fled from Mogadishu but held on to southwestern parts of the country which his son-in-law and Mr Mohamed Siad Hormo, defence minister, known as "Morgan", controlled.

When he was overwhelmed, he fled to Nairobi in May 1992 but left for Nigeria two weeks later after Kenyan opposition groups complained the government was paying Mr Barre's bills at a luxury hotel. After Mr Barre's defeat heavy fighting broke out in Mogadishu between supporters of Mr Aideed and Mr Ali Mahdi that carved the city in two, killed 30,000 people and led to a famine that killed 10 times that number. A US-led multinational task force landed on the beaches of Mogadishu in December 1992 to stop the fighting and open up food corridors. Mr Barre, aged about 84, is survived by two wives and 19 children who are scattered around the world. *Reuter, Mogadishu*

Life insurance go-ahead

The chairman of Pakistan's prime minister Benazir Bhutto yesterday decided to allow foreign companies to do life insurance business in the country and gave immediate permission to one company, a government spokesman said. He said Britain's Commercial Union Assurance, which was given permission, would have a £1m (£2.5m) capital base in Pakistan. The decision would bring foreign investment and promote competition. The spokesman said Pakistan had only 2m people with life insurance policies in a population of 120m. However, he said the government did not expect foreign companies to take more than 10 per cent of the total life insurance business in the country. Their share was 11 per cent before Pakistan nationalised life insurance in 1972, a decision reversed last year. *Reuter, Islamabad*

Indonesia taxes stock sales

Indonesia has imposed an income tax of 0.1 per cent on the transaction value of stocks selling on its exchanges with immediate effect, the state secretariat said. The 0.1 per cent is levied against the transaction value for all stock sellers, while a further 5 per cent is levied on founding shareholders if they liquidate their stocks. The tax is to be collected on a monthly basis. Brokers said the tax was in lieu of capital gains tax, which was objected to by market participants for being excessive and difficult to process. Brokers said it was unclear how foreign investors would be treated under the new rules. *Reuter, Jakarta*

Death of former Sabah leader
Tun Mustapha Harun, a one-time office orderly who helped lead Sabah out of British control and into Malaysia, died yesterday of a heart attack in the Sabah state capital, Kota Kinabalu. He was 76.
Tun Mustapha became Sabah's governor when the territory, formerly British North Borneo, became part of the Malaysian federation in 1963. Resigning that post, he won the state's highest elective position, chief minister, in 1967. He was the first minister of the United Sabah National Organisation, which governed Sabah from 1967 to 1976. He became a member of the dominant national party, the United Malays National Organisation, in January 1991 but later broke away after political disagreements. *AP, Kuala Lumpur*

Bankers and economists welcome 'realistic' package that deepens the revenue base

Saudi budget aims at 6% spending cuts

By Mark Nicholson,
Middle East Correspondent

Saudi Arabia's budget package of spending cuts and measures to deepen the government's revenue base was welcomed yesterday by bankers and economists as sensible, realistic and likely to shore up international confidence in the economy of the world's largest oil exporter.

The kingdom's annual budget, unveiled on Sunday, aims to cut government spending by just over 6 per cent this year, following a targeted cut in state expenditure of 20 per cent for 1994.

State coffers, meanwhile, are to be boosted through rises in electricity tariffs, gasoline prices and visa fees.

The budget is a clear attempt to put the country's finances in order after more than a decade of budget deficits,

recently averaging nearly 10 per cent of gross domestic product - a result of weak oil prices, the costs of the Gulf war and a previous disinclination among Saudi rulers to attack the high recurrent costs of one of the world's most highly subsidised welfare states.

"What's important is the attempt to cure the structural imbalances in the budget for the first time," said Mr Azzam, chief economist with National Commercial Bank in Jeddah, the country's biggest.

According to the Finance Ministry statement, revenues are projected to rise to SR125bn (£22bn) from SR120bn in 1994, with spending to be cut to SR150bn from the budgeted SR160bn last year.

This would cut the budget deficit to SR15bn in 1995; more than halving the 1994 deficit, put at SR40bn, and bring-

ing the fiscal gap down to less than 3.5 per cent of GDP.

"It's positive, measured and will go down well on international markets," said one western economist in Riyadh.

The budget gave no indication of the kingdom's oil price assumptions for 1995, but economists said they believed the Finance Ministry had made a highly conservative assumption based on current prices. "There's plenty of room for a much better outcome than they're predicting," said one economist. Oil sales account for more than 90 per cent of state income.

Neither did the budget indicate how much new subsidy cuts and price rises might add to overall revenues.

However, revenues will be helped by a near doubling of petrol prices, which have already taken effect, from SR0.33 a litre to SR0.6. Also, electric-

ity prices for those consuming more than 2,000kW hours a month - mostly big commercial users - have been increased on a sliding scale such that users of more than 6,000kW hours will pay four times the previous flat rate of SR0.05.

The price rises are designed to leave most domestic users untouched, while introducing some rationalisation in power pricing for commercial users.

This said economists, would not only help to alleviate recent shortages in many of Saudi Arabia's big industrial centres, but increase the profitability and borrowing ability of the state-run power companies, all of which face big demands for fresh investment.

In addition, the government has substantially increased the cost of visas for foreign workers, to SR1,000 each - a move designed not only to raise revenues but also to help contain the number of overseas workers in the country, at present more than 4m.

Economists said the budget was likely to leave growth flat for 1995 after an official figure of 0.6 per cent growth in the economy for 1994.

However, much will depend on oil prices for the year and on the performance of the private sector, which the government said grew by 4 per cent in 1994 and remains buoyant in sectors not dependent on government contracts.

Private contractors, and their stretched bankers, will also have been cheered by a formal undertaking to make a priority of repaying delayed government debts on state contracts. King Fahd himself ordered an immediate attempt to clear the backlog of debts to domestic creditors.

Militants kill eight policemen in Egypt

Suspected Islamic militants disguised as policemen shot dead eight policemen and wounded at least two others yesterday in four separate attacks in southern Egypt, security officials said. Reuter reports from Cairo.

Three civilians were also killed and four injured in the attacks which took place within one hour of each other near the Nile valley town of Mallawi, 250km south of Cairo.

For the government of Mr Edouard Balladur, the prime minister, the decisions it now faces are at least as complex and risky as the spectacular hijack rescue. Confronted with what the French media are describing as "France's second Algerian war", it must determine how to shape future strategy towards the government in Algiers and its Islamist opponents.

The significance of this scrutiny extends beyond France's tormented colonial legacy. Other western governments are anxious about the spread of Islamic fundamentalism in the Maghreb and an increase in international terrorism.

Southern European states, notably Spain and Italy, fear a flood of immigrants. At a time when France, Spain and Italy are embarking on successive presidencies of the European Union and are seeking to shift the focus of the EU towards the Mediterranean, the ability of Mr Balladur and his government to manage their relations with Algeria takes on still greater importance.

The attacks bring to nine the number of policemen killed by militants in the first two days of 1995 and to 670 those killed in political violence since 1992.

Security officials in Mallawi suspect the gunmen are members of Egypt's largest militant organisation the Gamma al-Islamiya (Islamic Group), which has been targeting policemen in southern Egypt for two years.

The attacks took place in the villages of al-Roda, Ezbat al-Tabut, Sangery and Umm Kommos near Mallawi, which became a focus of militant-police clashes at the end of last year, the security sources said.

In a similar attack at the weekend, militants hauled a policeman out of a bus near Mallawi and shot him dead in front of horrified passengers, the officials said.

France caught in Algerian crossfire

John Riddington on how Paris approaches its former colony's civil war



Charles Pasqua (left) favours a hard line, Alain Juppé (centre) seeks an Algerian dialogue, while Edouard Balladur weighs the risks

political considerations. The aim is to prevent a collapse of France's tormented colonial legacy.

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The immediate response to the hijacking and the subsequent threats has been to tighten security. But there are some signs of a broader adjustment. Following the hijack in Algiers to seek dialogue with its Islamist opponents. Mr Charles Pasqua, interior minister, who rejects the notion of a moderate Islamic government and sees little mileage in dialogue, has championed a hard-line approach, involving a domestic crackdown on Muslim militants and support for Algeria's generals.

Behind such policies lies a common objective. As Professor Rémy Leveau of the Institute of political science in Paris puts it: "French policy has been dictated by domestic

one loses then you go," said Mr Juppé.

Some observers also favour attempts to encourage nascent discussions aimed at providing a democratic alternative and to find intermediaries to develop contacts with the Islamic groups.

"There are a number of parties that one can consider as democratic," says Mr Jean Audibert, a former French ambassador to Algiers. He cites the FLN votes won in the first round of general elections by the FLN, the heir to the movement which forced France

to withdraw from Algeria.

"There must be a shift in policy," says Ms Séverine Labat, an Algerian scholar at CERI, the French international relations institute. "There can be no solution without dialogue with the FIS." This, she argues, can be encouraged through economic levers. The rescheduling of Algeria's debt should be conditional on progress towards negotiations and on the observation of human rights.

Mr Juppé talked of tensions with the Algerian government during the crisis and issued a thinly veiled criticism of the cancellation of general elections in 1992 when the Islamic Salvation Front (FIS) was poised to win. "It is necessary to accept the rules of democracy and the basic rule of alternation. When one wins the elections that is fine. But when

France regards Algeria as its sphere of influence there may also be an increased role for Paris's diplomatic partners.

"Most are keen to keep out of the Algerian crisis, but countries like Italy and Spain share similar concerns to France and could help foster dialogue," says one diplomat.

Few, however, expect Mr Balladur's government to take bold initiatives in the near future. The reason, as ever, lies in domestic French politics and the forthcoming presidential elections.

"If France held negotiations or appeared to be making concessions to the Islamists, the government would be

denounced by the right wing and nationalists. It would seem as if the terrorists had won the day and play into the hands of parties like the National Front," says Mr Moisi. He argues that Mr Pasqua himself has not given up on the idea of a tilt at the presidency should the right circumstances arise.

Mr Pasqua may well remain a central figure in Algerian politics after the elections. Mr Balladur needs to maintain the support of his powerful interior minister and could select him as prime minister should he succeed in his bid for the Elysée. As premier, Mr Pasqua could ensure the implementation of a tough policy and support for the Algerian regime.

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Such obstacles reduce the likelihood of a rapid shift in stance. But with the crisis escalating in Algeria, events are unlikely to respect the French political calendar.

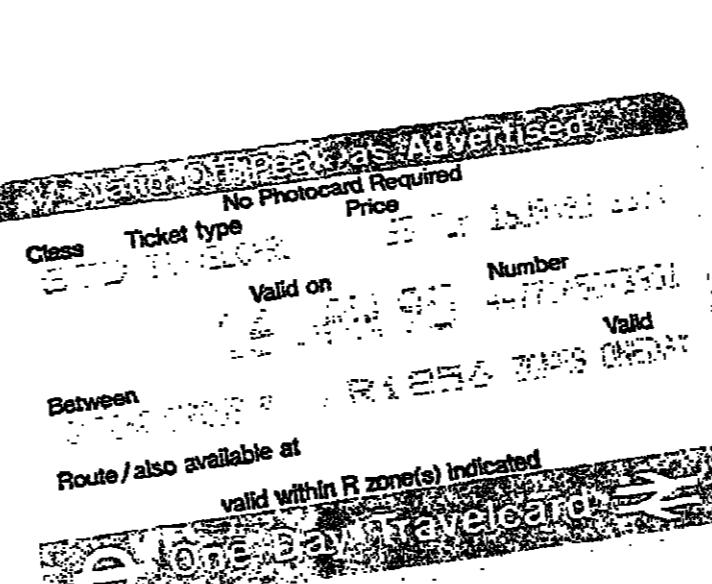
As one diplomat in Paris put it: "The options may not seem very attractive now. But they are getting less attractive by the day. There is growing pressure for a policy change after the elections. But it is by no means clear that pressures within Algeria can be contained that long."

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NEWS: INTERNATIONAL

Brazilian banks resume trading

By Angus Foster in São Paulo

The two Brazilian state-owned banks which the central government took over on Friday appeared to be trading normally yesterday, the first time the banks had opened since the government's move.

Banespa, controlled by the state of São Paulo, and Banerj of Rio de Janeiro, were reported to be operating normally. Both banks said business was "totally tranquil". Banerj claimed it received sizeable deposits yesterday morning from retail clients.

The banks have been put under "special temporary administration" for at least one year by the central government to appoint new directors and oversee all new lending. The move followed mounting liquidity problems for both banks but consumers seem to have been assured by government statements that deposits are not at risk.

Shares in the banks, which were suspended early in the day, resumed trading on the São Paulo and Rio stock exchanges. Stock exchange officials said a suspension was not required as both banks continued to function normally. Banespa's shares were down about 7 per cent at lunchtime. But analysts said that in the medium term the central bank's intervention was welcome as it would restore Banespa's balance sheet and probably prepare the bank for privatisation.

The administrators appointed by the central bank are not commenting on their findings until they have a clearer understanding of the two banks' situations. A preliminary statement is possible later this week.

The central bank intervened shortly before the new president, Mr Fernando Henrique Cardoso, and new state governors took office on Sunday. The move was backed by Mr Cardoso and Mr Pedro Malan, who yesterday moved from the central bank to become finance minister.

Taiwanese take on Ho Chi Minh city

Kieran Cooke and Laura Tyson on a project to modernise Vietnam's southern capital

Ho Chi Minh city in southern Vietnam is one of the most densely populated urban areas in Asia. In 1960 there were fewer than 1m people living in Ho Chi Minh, the former Saigon. The effects of the Vietnamese war, plus the more recent influx of rural dwellers in search of work, has pushed the population of the city to more than 6m.

The project has interesting political implications. The Central Trading & Development group (CT&D) of Taiwan is partner of the local communist people's committee in the project. CT&D is a privately held concern whose majority shareholder is Taiwan's ruling - and staunchly anti-communist - Kuomintang (KMT) party. Compatriot-minded Vietnamese say part of the reason for the Kuomintang company's interest in Vietnam is political: it wants to invest in order to prevent the spread of China's influence in Indo-China.

The aim is to build a city of more than 500,000 south of Ho Chi Minh which will become a

regional business and finance centre. "Saigon south will rival Shenzhen [near Hong Kong] and Pudong in Shanghai as a centre of business enterprise," said a local official.

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Mr Y.T. Young, a Ho Chi

Minh-based manager of the CT&D group, insists his company is in Vietnam for sound business reasons. "With the lifting of the US embargo, more and more investors are coming to Vietnam, particularly to the south around Ho Chi Minh," says Mr Young. "The city cannot handle new industry. Its roads, its port, its power and water supply systems are all inadequate. Vietnam is like Taiwan 25 years ago, but it will catch up fast. However, it must have proper infrastructure."

With nearly \$2bn (£1.29bn) worth of projects licensed in Vietnam, Taiwan is the country's biggest foreign investor. In many parts of south-east Asia, Taiwanese companies have the reputation of being "fly-by-night": investors who often flout local labour and environmental procedures. The Saigon South venture is a flag-

ship project which could alter popular conceptions of Taiwan as a business base.

CT&D says it has already invested \$80m in developing the Tan Thuan export processing zone on a 300-hectare peninsula south of Ho Chi Minh. Tan Thuan is the first of five such zones licensed in Vietnam to start operations. Mr Young says that 50 companies have so far been granted licences to operate at Tan Thuan. The concerns are labour intensive. They include a Taiwanese bicycle manufacturing plant and a Japanese sewing machine assembly operation.

"Tan Thuan is only 4km from the city centre and has access to a large, intelligent, labour pool," says Mr Young. "We are confident it will be a success."

CD&T plans to invest a further \$342m to develop Saigon South, which will stretch over a 2,600-hectare area west of Tan Thuan. Plans are for a new city centre, a university, a stock exchange building and hotels to be built along a 18km long thoroughfare. CD&T says it has already started construction of a 675MW power plant to feed the Tan Thuan EPZ and eventually the new city.

While the Saigon South scheme has received full official backing, some Vietnamese question whether charge over such an important, prestige project should be given to an outside concern. Vietnam's small Chinese community is often accused of having too much control over the economy: the development of Saigon South by Taiwanese Chinese could cause further

resentment. There have already been problems over settling compensation claims from people being moved off the land.

Some foreign developers also question Taiwanese credentials in infrastructure planning. Taiwan is a modern economic success story, but Taipei is one of the region's most congested and polluted cities, plagued by infrastructure problems.

There is also the issue of where the funds will come from for such a massive project. Vietnam has a serious shortage of capital. Local partners in the Saigon South scheme are supplying the land but will not be putting any cash into the venture. CD&T says that, while a sizeable part of the capital needed will come from internal company funds, financial support will be can-



vassed around the world. Mr Young says he is confident that the sceptics will be proved wrong. "Look how Shenzhen was transformed from a small fishing port into a city of 2.7m within seven years. That amazed people. The same can happen here."



North Korea yesterday released this picture of its leader Mr Kim Jong-il (right) receiving flowers from a soldier in an apparent attempt to counter rumours of weight-loss, ill health and internal power struggles. Mr Kim has been absent from public life since the July 20 funeral of his father, Kim Il-sung. Speculation over his grip on power deepened on Sunday when he failed to give North Korea's traditional New Year's Day address.

The personal touch scores for an Italian company in Turkmenistan

Steve LeVine reports on hotels rising from the desert near Ashkabad

The row of 24 lavish, eastern-style hotels rises from the edge of Turkmenistan's barren desert capital like a sparkling mirage. But the five-star oasis, outfitted with tennis courts, swimming pools, night clubs and casino, is no illusion. It is part of Turkmenistan president Saparmurat Niyazov's vision of a Kara Kum Desert sheikdom, rising from the country's possession of the world's fourth largest natural gas reserves.

Italy's Agind-Swissital is among the few European companies that have become part of Mr Niyazov's dream for Turkmenistan, which has been the slowest of the ex-Soviet Caspian Sea states to develop its energy riches. Agind-Swissital built and operates the jewel of Ashkabad's hotel row, the \$64m, 18-room Hotel Independent. The company has turned the hotel into Ashkabad's favourite, catering to a tiny local elite and foreign community who dine in the capital's only fine restaurant and enjoy such finishing touches as Pierre Cardin signature tiles in the public toilet.

The hotel has been an 80 per cent occupancy rate, including a five-room, \$1,000-a-night apartment rented at a discount to the US ambassador. "This is the only European-style hotel on the strip," asserts the independent's manager, Ms Rossana Umbrì. "If you stay in the other hotels, it means you make the bed for yourself and bring your own towels."

Five years after coming to Turkmenistan during the Soviet era to discuss the refurbishing of a glass factory, Agind-Swissital has become among the most active European investors in the central Asian republic. In financial terms, this is not saying a lot -

Agind-Swissital possesses just \$40m (£25.6m) in 17 contracts, including a second, \$8.8m hotel - but it does offer a hint into how western companies can get a piece of Turkmenistan's growing trade.

The republic of 4m people, which borders Iran to the south and the Caspian Sea to the east, is still deprived of almost any comfort. This has been almost entirely so since November 1993, when Russia cut Turkmenistan's access to the European natural gas market and severed its main hard-currency source. Much of the population goes without running water for several hours a day, and few western consumer goods are on sale.

Instead of spending on basic infrastructure and consumer imports, Mr Niyazov has committed almost all of Turkmenistan's resources to a series of expensive construction projects, including Ashkabad's hotels. All are financed by bartering cotton and oil, and most have been testaments to Mr Niyazov's ego. Agind-Swissital, for example, has won contracts to build two presidential palaces, the value of which it will not disclose, describing them as private contracts for Mr Niyazov. The French company Bouygues has a \$65m contract to build a giant mosque at the

historic site of Geok Tepe.

Western diplomats say Mr Niyazov is soliciting bids on a \$1bn deal for a giant public park that would include Disneyland-style attractions; no one is sure how it will be financed, given that so much of the republic's cotton and oil are already encumbered by other projects.

Turkish companies have dominated manufacturing joint ventures, acquiring some \$1bn in contracts, according to the Turkmen embassy.

Agind-Swissital has burrowed itself into Turkmenistan's economy by developing personal contacts, which diplomats and traders say is only certain local currency, since there are no reliable laws or banking system.

"A lot of Europeans are coming here asking for insurance, letters of credit, because they are so sophisticated. But if you are so sophisticated, you will never do business here," says Mr Pasquale Rispio, managing director of Agind-Swissital.

The company's recipe, indeed, has won it contracts throughout former Soviet central Asia. For example, it is working on a \$192m project on Uzbekistan's Tashkent Motor, a 200,000 sq m factory that, after two more year's work, is

meant to produce 70,000 engines each year for fork lifts, tractors and generators, mostly for export.

Even after cracking central Asia's hard shell, however, Agind-Swissital's going has hardly been smooth. It has imported almost everything for its Turkmenistan projects, from raw materials to workers. The entire supply for the Hotel Independent's restaurant, is imported, including jam, cheese, spaghetti and cooking oil. It even imported sulphur-resistant cement for Mr Niyazov's palace near Ashkabad.

There have been other problems: officers from Turkmenistan's intelligence service "invited" Ms Umbrì to its headquarters for questioning twice last year and once insisted on counting the cash in the hotel safe. In 1993, the government forced the company to exchange all its hard currency profit for the local manat at a rate of 2 to 1 when the street rate was 15/1, according to Ms Umbrì. "They say that this time they will let us take out our profit," says Ms Umbrì. "I'm waiting to see."

Not everyone has been as successful in acquiring business as has Agind-Swissital, partly since Russia's stranglehold on Turkmenistan's natural gas exports prevent it from doing much business. Agind-Swissital's Mr Rispio reckons, however, that Turkmenistan is still the easiest place to trade in central Asia.

Indeed, diplomats say business can be fairly successful in Turkmenistan - if you get to the right person. "The government's decisions are more politically, not economically," says one diplomat. "If they like you, they give you a contract. And if you like them, you do something for them."

FINANCIAL TIMES

FT EXPORTER

FT EXPORTER: Winter Issue - January 31st

The next issue of the FT EXPORTER, Europe's leading export review will appear with the Financial Times throughout the UK and the Continent, on January 31st. Packed with advice, information and case studies the FT Exporter is a "must read" for all current or potential exporters.

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INTERNATIONAL ECONOMIC INDICATORS: PRICES AND COMPETITIVENESS

Yearly figures are shown in index form with the common base year of 1985. The real exchange rate is an index throughout; other quarterly and monthly figures show the percentage change over the corresponding period in the previous year and are positive unless otherwise stated.

UNITED STATES		JAPAN		GERMANY	
Consumer prices	Producer prices	Unit labour costs	Real exchange rate	Consumer prices	Producer prices
1985 100.0	100.0	100.0	100.0	100.0	100.0
1986 101.9	98.8	99.4	101.9	99.9	97.5
1987 105.6	100.7	105.9	101.4	104.3	103.8
1988 109.5	103.2	109.1	102.2	104.1	107.7
1989 115.2	108.5	110.1	104.9	114.0	101.4
1990 121.5	113.8	113.6	108.2	120.1	104.2
1991 125.5	119.0	117.3	107.4	125.5	117.3
1992 130.4	117.7	120.4	113.9	125.5	110.3
1993 134.3	119.2	117.1	115.3	126.3	110.2
4th qtr. 1983 2.7	0.3	3.1	-1.7	7.7	3.7
1st qtr. 1984 2.5	0.2	2.4	-1.0	7.7	-0.2
2nd qtr. 1984 2.4	-0.2	2.8	-2.3	7.8	-2.6
3rd qtr. 1984 2.9	1.3	2.8	-3.7	7.4	107.2
December 1983 2.6	0.2	3.7	-2.7	7.3	3.0
January 1984 2.5	0.2	2.8	-1.1	7.7	3.0
February 1984 2.5	0.2	3.7	-0.4	7.7	3.0
March 1984 2.5	0.2	3.7	-1.2	7.4	3.0
April 1984 2.4	-0.4	2.7	-1.7	7.4	3.0
May 1984 2.5	-0.4	2.8	-2.7	7.5	3.0
June 1984 2.5	0.1	2.9	-2.6	7.5	3.0
July 1984 2.6	0.2	2.9	-2.5	7.5	3.0
August 1984 2.8	0.2	2.8	-3.7	7.9	3.0
September 1984 2.9	1.4	2.7	-3.7	7.8	3.0
October 1984 2.8	1.0	2.7	-2.2	7.6	2.8
November 1984 2.7	1.3	2.7	-2.1	7.1	2.7
4th qtr. 1983 2.1	-2.2	n.a.	0	107.7	140.7
1st qtr. 1984 1.7	-1.5	n.a.	0.7	107.5	137.2
2nd qtr. 1984 1.7	-0.1	n.a.	107.4	108.7	108.3
3rd qtr. 1984 1.6	1.9	n.a.	108.7	108.5	108.1
December 1983 2.1	n.a.	2.2	n.a.	108.6	119.8
January 1984 1.8	n.a.	2.1	n.a.	107.5	107.7
February 1984 1.8	n.a.	2.1	n.a.	106.9	104.7
March 1984 1.5	n.a.	2.1	n.a.	106.5	104.2
April 1984 1.7					

BP who bring billions of barrels from the back of beyond now bake biscuits in Berlin.



BP's special way of working has given rise to a new breed of petrol station. We went to Berlin to find out more...

We all have to eat. Our customers think of it as a convenience store with pumps outside. A lot of them walk here.

We started with eight in South Carolina, now they're all over the world. Whatever we learn from one is passed on to all. That's how we work. Here, have a biscuit... it's fresh.

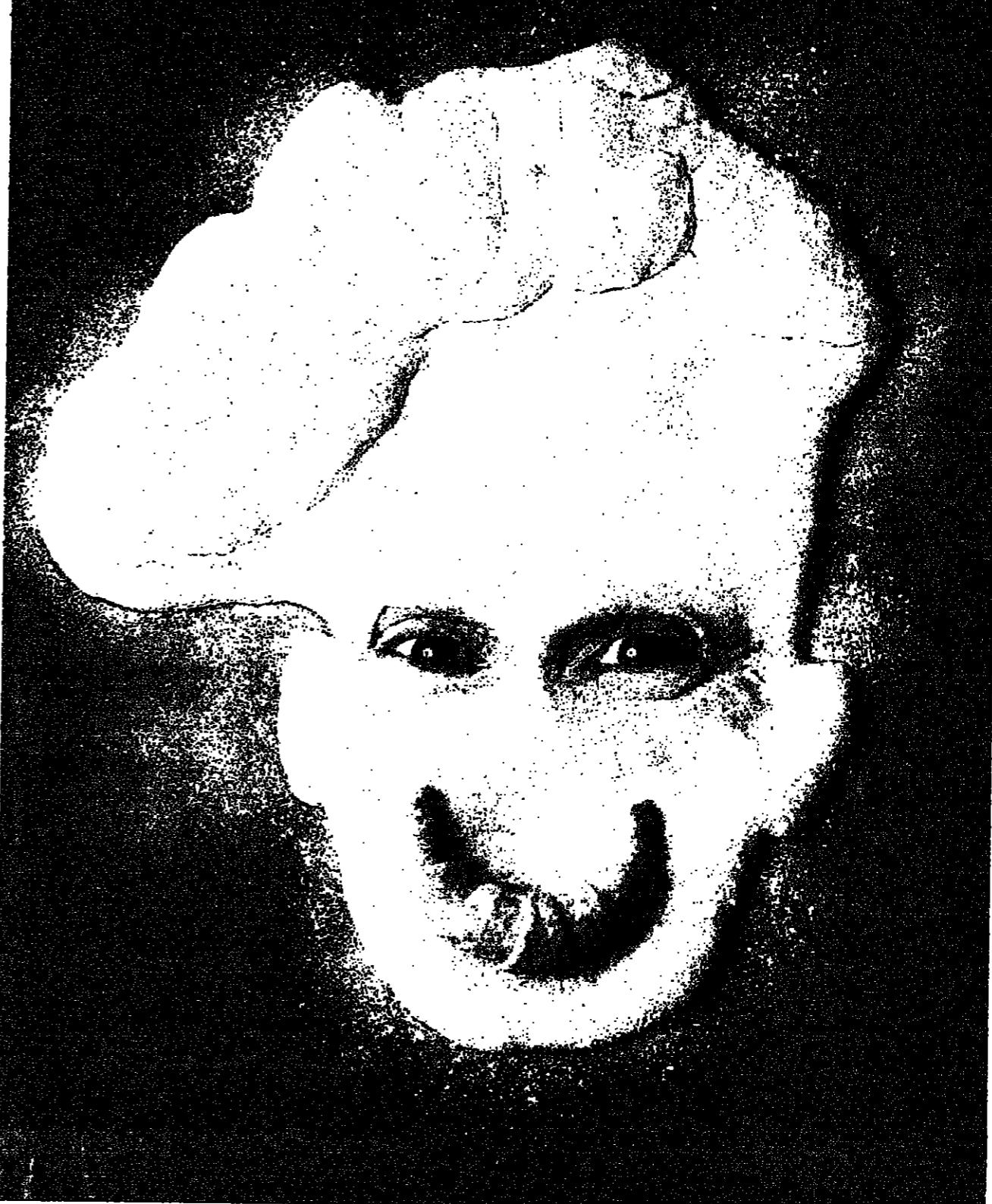
Not at all, for example we Germans like our coffee in ceramic mugs - in England people prefer paper cups. But everyone likes fresh bread.

No, this one's based on one in Munich. Go there - talk to Karl. We could not have done it without him...

ALL TOGETHER BETTER.



barrels from the back biscuits in Berlin.



What's a baker doing in a petrol station Karl?

Baking, of course. We offer fresh pastries on a three hour cycle - like they do in America.

We are making our filling stations more... how do you say?

Filling?

Precisely.

What else do you sell here?

Milk, sandwiches, coffee, pet food - here, have a doughnut.

Err, thanks. It's a great idea, when did you come up with it?

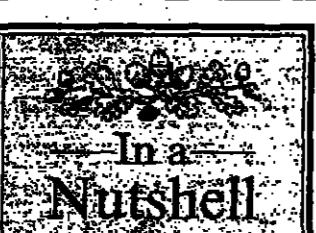
I made it this morning... it is fresh.

No, not the doughnut, the bakery.

Oh, that was not my idea, you must talk to Hans in Berlin, I am learning a lot from him.

For instance this store is based on the layout of one in Australia. He brought the design back, we could not have done it without him...

MANAGEMENT: THE GROWING BUSINESS



For some entrepreneurs, 1995 will provide the first opportunity to harvest the value of the companies they have painstakingly nurtured through the first half of the decade.

Pressure from backers, a need for extra resources to build the business, desire for a more affluent lifestyle and the likelihood of increased tax rates under an incoming Labour government may emphasise the attractions of a sale or flotation.

Deciding how and when to sell a business can be nerve-wracking. It may be particularly difficult after last year when many newcomers to the stockmarket found it offered more thrills and spills than they had bargained for.

Overall, 1994 provided some exceptional opportunities for owners wanting to realise their capital. For example, management buy-outs, which account for an important proportion of private companies seeking an exit, saw the largest number of flotation and trade sales on record.

A record £900m was raised by stock market flotation for management buy-outs, according to the Centre for Management Buy-out Research at the University of Nottingham. For the first year this decade, receiverships ceased to be the most common form of exit for buy-outs and buy-ins.

But not all new issues were successful. Many companies decided to postpone or abort their flotation in the face of a turbulent stockmarket, weak investor interest and the unwillingness of management to scale down the value of their company.

Last year's stock market turbulence may put some companies off the idea of going public, in the belief that a trade sale would be more profitable and easier to carry out. But most entrepreneurs wanting to take cash out of their business will want to consider all their options, which may include the sale of a minority stake, buy-outs and buy-ins, a trade sale or flotation.

For many companies, the choice is limited. Most private companies are too small or have an insufficiently distinguished track record and prospects to contemplate a flotation. Conversely, some companies may have difficulties in finding a trade buyer, particularly in sectors suffering from overcapacity.

But when company owners do have a choice between a float or a trade sale, personal ambitions often weigh heavily in their choice.

Many entrepreneurs, who wish to retain their independence, like the idea of a flotation if they wish to continue within the business. The systems and controls imposed by a large company may be hard for some former owners to stomach.

Opting for a flotation can also involve frustrations. Directors are

The exit routes

	STOCK EXCHANGE								
	1986	1987	1988	1989	1990	1991	1992	1993	1994 PROJ
Trade sales	35	42	54	89	52	34	48	71	83
Flootation	38	34	36	14	16	4	11	35	47
MBO/MBI	-	3	11	14	13	5	11	18	18
Receivership	7	6	11	39	83	124	116	76	53
Total	80	85	112	150	163	167	180	200	211

Source: CINVEN/Berkeley Dew Cap/Touche Ross Corporate Finance

Clearly, much depends on the state of the stock market. Geoff Douglas, an analyst at E2W, brokers, thinks that although smaller company shares offer good value, institutional weightings of smaller companies will not increase. "It would be surprising in 1995 if we saw the amount of money raised in 1994 in smaller companies," he says.

One factor blunting institutional demand for new issues is the poor performance of some of last year's new entrants.

A number of profit warnings from some recent new issues, including management buy-outs such as Aerostructure Hamble, MDIS, Nottingham Group and United Carriers, created concern that buy-outs were generally being floated too early and had a high likelihood of not meeting their forecasts, according to the Centre for Management Buy-out Research.

"In 1994, a number of companies came to the market too much prematurely," says Douglas. "They should have waited for a year."

One result of last year's new issue flops may be that investors scrutinise newcomers more rigorously. "In listing particulars, there will possibly be more emphasis on risk and the factors that affect the business are clearly spelt out," says Kevin Desmond of Price Waterhouse.

There may also be a residual suspicion of venture capital-backed new issues. "Venture capitalists, even more than family companies, are trying to time sales to their advantage," says Austin.

While selling at the top of the market is the ambition of most investors, the venture capital industry is anxious to play down the idea that it has exited from investments at the expense of investing institutions. "From 31's perspective, we invariably retain a significant interest in companies post-flotation. The belief that the new issue route is necessarily an exit route is wrong," says Larcombe.

Moreover, he says, venture capital-backed new issues have tended, on average, to do better than the market as a whole. In the buy-out market, for example, this year's flotation had, by mid-December, outperformed the stock market by more than 6 per cent, according to the Centre for Management Buy-out Research.

Until the memories of last year's new issue flops fade, the prospect of bringing a company to the market is likely to be far less fashionable than a year ago.

But the vagaries of the stock market are unlikely to deter for long entrepreneurs wishing to sell their business wishing to sell their business

Businesses for sale

Vanessa Houlder on the options for entrepreneurs seeking to sell their companies this year

usually able to sell just part of their business. Opportunities for careful tax planning are also

significant minority has already spent the money," says Andrew Joy, a director of CINVEN, the venture capital group.

But it is also possible that a trade sale will fetch more money than a flotation. Brian Larcombe, finance director of 31, the venture capital group, and chairman of the British Venture Capital Association, believes that merger and acquisitions activity will increase in 1995, as trade buyers become more confident.

This decline was blamed largely on the weak stock market, which makes it harder for small public companies to raise funds for acquisitions and makes vendors less willing to accept shares in place of cash.

Some venture capitalists believe that transactions will rise next year. "We expect the level of trade sales to continue to increase in 1995 and also anticipate a number of flotation of companies which had delayed flotation in 1994 due to volatile stock market conditions," says Lucia Horler Webber, director of Barclays Development Capital.

However, there may be less pressure from backers to bring companies to the market this year. "There is no pressure from venture capitalists after a good exit year in 1994," says Joy. "Portfolios are beginning to thin out. It is a question of holding the management back."

and cash-rich.

"Twelve to 18 months ago, the market was willing to pay higher prices than trade buyers were willing to pay. Now trade buyers may be willing to pay more than the market is willing to pay," he says. That said, the market for private

company transactions appears to have deteriorated since last summer. Figures prepared by BDO Stoy Hayward, the accountancy firm, and *Acquisitions Monthly* suggest that the average price of private deals dipped by 13 per cent in the third quarter of 1994.

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"Twelve to 18 months ago, the market was willing to pay higher prices than trade buyers were willing to pay. Now trade buyers may be willing to pay more than the market is willing to pay," he says. That said, the market for private

company transactions appears to have deteriorated since last summer. Figures prepared by BDO Stoy Hayward, the accountancy firm, and *Acquisitions Monthly* suggest that the average price of private deals dipped by 13 per cent in the third quarter of 1994.

This decline was blamed largely on the weak stock market, which makes it harder for small public companies to raise funds for acquisitions and makes vendors less willing to accept shares in place of cash.

Some venture capitalists believe that transactions will rise next year. "We expect the level of trade sales to continue to increase in 1995 and also anticipate a number of flotation of companies which had delayed flotation in 1994 due to volatile stock market conditions," says Lucia Horler Webber, director of Barclays Development Capital.

However, there may be less pressure from backers to bring companies to the market this year. "There is no pressure from venture capitalists after a good exit year in 1994," says Joy. "Portfolios are beginning to thin out. It is a question of holding the management back."

and cash-rich.

"Twelve to 18 months ago, the market was willing to pay higher

TECHNOLOGY

Screening has far-reaching economic and ethical implications, warns Victoria Griffiths

Genetic testing under the microscope

Vicki Reis knows first-hand the dangers of gene screening in the US. A former school bus driver who re-located to a California farm with her husband several years ago, Reis was tested for cystic fibrosis.

The results showed that she was a potential carrier, but there was no evidence that she would develop the disease. Even so, Reis was later unable to obtain health insurance. "I was refused four times," she said.

Gene screening technology is racing ahead. Scientists have already identified a number of genes responsible for specific diseases and are likely to discover many more over the next few years. Testing methods are becoming cheaper and easier to use. Johns Hopkins University in Baltimore announced in October it was developing a urine test which would screen patients for a number of disease-related genes. A DNA test for cystic fibrosis which cost \$400 (£270) several years ago can now be had for \$135.

But understanding of the ethical and economic implications of the tests has failed to match scientific progress. The potential for discrimination based on gene testing is especially strong in the US, where health insurance groups have the right to refuse cover based on "pre-existing conditions".

Pre-existing conditions are ailments or potential ailments which might boost the cost of a patient's medical care. A patient suffering from cancer, for instance, is unlikely to find health insurance. With the advent of gene testing, a person deemed likely to contract cancer in the future may face the same difficulty.

"Unless these issues are addressed, the growth of gene testing in the US will be held back," says Elliott Hillback, president of Integrated Genetics, one of the leading makers of DNA tests.

Many members of the US media have denounced gene tests as intrusive, but scientists say they can also save lives. "If you find you have a gene for colon or breast cancer, for example, you can do

something about it," says Phillip Reilly, executive director of the Shriver Centre for the Mentally Retarded. "You can go for more mammograms, adjust your diet, do more self-exams. Not all diseases can be prevented, though."

Genetic testing began some 30 years ago when doctors began to study chromosomes through a microscope. Significant genetic disorders such as Down's syndrome were clearly visible. One — phenylketonuria, a genetic disorder which can cause mental retardation — can be treated easily through diet.

Later, scientists developed ways to take a closer look. With today's DNA tests, they can predict with a great deal of accuracy whether patients will develop specific diseases. If a patient tests positive

Scientists have identified several genes responsible for specific diseases and are likely to discover many more in the next few years

for Huntington's, for instance, the chances are virtually 100 per cent that unless the person dies prematurely of another cause, he or she will develop the disease.

Even if no preventive measures can be taken for a certain disease, a patient may want to have a test. The presence of a "carrier" gene, which can be passed on through the generations, may affect a person's decision to have children. Others may want to know their chances of premature death so that they can make financial and other provisions for their family.

The advisability of testing, however, becomes blurred when children are involved. "It's difficult to gauge the psychological impact for adults, and almost impossible for children," says Thomas Murray, director for the centre of biomedical ethics at Case Western University.

Another pressing concern is discrimination. "We've done

studies that show that people are already experiencing discrimination because of gene tests," says Jonathan Beckwith, a professor at Harvard Medical School and a member of the ethical group for the Human Genome Project.

"One case involved someone who couldn't get a job with the military because he was genetically marked. Another was not allowed to adopt a child. Because of the possibility of an early death. Others are denied health insurance."

The possibility of discrimination has instilled caution in those seeking genetic tests in the US. Many test under a false name. Others, scientists fear, do not test at all, even for diseases which may be preventable.

Since genetic screening is still in its infancy, it is not yet a significant problem in US health care. Yet the rapid pace of research in the field necessitates a closer look at the implications.

Politicians are already proposing laws regulating the use of and access to genetic tests, but sceptics say no amount of regulation will eradicate discrimination if the health system does not change.

"Many companies require urine tests for alcohol and drugs," Murray pointed out. "What's to stop them from doing a genetic screen at the same time?"

Scientists fear that, as with other forms of discrimination, employers and insurance agents will merely find another pretext for refusing jobs and coverage.

The real solution, many believe,

is an overhaul of the health system. "The problem is with the health system in the US, not with genetic screening," says David Tenenbaum, director of specialty services for Blue Cross Blue Shield, a health insurer. "The Clinton health bill had a lot of weaknesses but there was one element in the reform, namely the elimination of pre-existing conditions, which makes a lot of sense. People should not be excluded from insurance due to their health risks. Once that is changed, genetic testing can move ahead without these concerns."

As advanced as home entertainment systems have become, 3D video remains a slightly out-of-reach dream. Now Sony and Sanyo have announced, within weeks of each other, new 3D video display systems that offer big advances over previous approaches.

However, when Sony begins marketing this year, the projected price will be about \$1m (£20,000). The Sanyo system, which was developed in collaboration with Japan's public broadcasting system, NHK, could cost even more.

Although stereoscopic video systems have proved very difficult to develop, the basic principle behind all such systems is simple. Objects are seen in three dimensions because each eye sees the external world from a slightly different angle. The two images that result are processed by the brain to produce a single 3D image. All a 3D film or video system needs to do is to recreate and deliver those two separate images — one to the left eye, the other to the right.

In the early part of this century, three-dimensional still cameras and viewers were common. The cameras had two lenses and took two simultaneous photos which were mounted in a viewer resembling a pair of binoculars. But these cameras were commercially unsuccessful because they could not be shown to a number of people at the same time.

Three-dimensional motion pictures solved this problem. Polarised viewing glasses (which block out certain light waves) and polarised projection lenses allowed projection of polarised right- and left-eye views on the same big screen, then separated the images before they reached the eye of the beholder. Two projectors were used with one projection lens polarised vertically and the other, horizontally.

Conventional TV receivers could not use the same system since there is no way to polarise images before they reach the screen of the set. One approach used in the US occasionally to broadcast 3D movies is to tint the left- and right-eye images with red and green filters and then use coloured filters in viewing glasses to see the three-dimensional effect. Depth is achieved at the expense of colour.

The systems recently demonstrated by Sony and Sanyo use alternative approaches. The Sony/NHK system eliminates viewing glasses completely. These are replaced with a double-layer, lenticular (or biconvex) viewing screen that forces each eye to see a different image. But the image the eye sees depends on its position. Move the eye and the image changes. To see the stereoscopic, full-motion video clearly, the viewer's head must be still.



Looking ahead: polarised plastic lenses are being replaced with glasses that use a hi-tech liquid-crystal shutter

All eyes on 3D video

Three-dimensional display systems are coming closer to home, explains Robert Patton

Sony's system allows the viewer to enjoy a full range of head movement, but depends on viewing glasses. Instead of polarised plastic lenses, these glasses use a high-tech liquid-crystal shutter that forces the eyes to see alternate rather than simultaneous images. When the left-eye image is on screen the left-eye shutter in the viewing goggles is open and the right shutter is closed. When the right-eye image appears, the lens shutters reverse. This sounds awkward, but it is not. Each eye sees 60 frames of video per second and there is no sensation of flickering from the switching of the shutter.

The advantage of Sony's approach is that, since the images are not displayed at the same time, only one display device is needed. Previous systems used two projectors to produce left- and right-eye images on the same screen. One other approach does away with viewing glasses. Last year, Victor Company of Japan, part of Matsushita Electric Industrial Group, announced agreement with

a number of firms on a specification for W-VHS video recording. W-VHS VCR can record and play standard television broadcasts in SD mode, high-definition broadcasts in HD mode, and simultaneous, two-channel broadcasts in its SD2 mode. The SD2 mode can be used for stereo image recording and playback.

A prototype W-VHS system is currently under test for medical training applications. Surgical procedures are being tested using the SD2 mode and played back on two separate monitors. The procedures can be watched by medical students on either of the two monitors. Researchers claim that, with practice, it is possible to experience the stereoscopic vision effect by crossing the eyes slightly so that each is looking at a different monitor.

Medical applications are the principal focus of both Sony and Sanyo for their 3D systems because surgery is a three-dimensional procedure that can be learned only by observation and doing. Few students can observe at the chief surgeon's side. Video has helped to bring more eyes closer to the procedure, but two-dimensional video falls short of the mark.

When Sony's first systems become available this year, medical students will be able to view real surgery, not just in 3D, but with high-definition video as well. The Sony system includes a high-definition laser disk player that works with specialised 3D software and hardware to deliver the composite 3D video signal to a modified display. The disk player is standard but the display must present 120 frames per second — twice the usual number.

Other applications are being considered. Researchers believe the realism of stereoscopic picture and sound would be powerful selling tools in shops and showrooms that could create "virtual" inventories of costly merchandise without the very substantial cost of real inventory.

And, in the case of the Sanyo/NHK system which needs no glasses, outdoor advertising would have a powerful effect.

PEOPLE

Virtuality group appoints finance director

Virtuality Group, which designs and manufactures virtual reality computer games, has appointed Ray Ticer, a former finance executive with National Semiconductor and Apple Computer, as finance director. Ticer, 48, takes over today at the company, which was floated on the London Stock Exchange 14 months ago.

His appointment comes at an important time for Virtuality which recently announced a technology licensing agreement with Atari, America's largest computer game manufacturer.

He succeeds Mark Bernstein, who is resigning as a director but will continue to be involved with Virtuality on an

advisory basis.

Ticer has more than 20 years of experience in financial and operational management, gained with National Semiconductor and Apple.

He joined National Semiconductor in 1972, with positions as financial controller in Singapore and Canada before becoming European accounting manager and, in 1982, Corporate Accounting Manager in the US.

In 1984 he joined Apple as financial controller of manufacturing and assumed an operational role as logistics manager in 1987. From 1989 to 1991 he was financial controller of Latin America and since 1991 he has been a consultant to Apple. Paul Taylor

Virtuality, one of the world's biggest cement-makers, has poached Gary Gentles, 48, president of Lafarge's US cement operation, to be president of Blue Circle America.

Gentles, who was educated in Canada and holds dual US and Canadian citizenship, began his career with Cement Canada Lafarge in Toronto.

After a four-year period with Youngstown Steel Tank in Ohio, he rejoined Lafarge in 1977. During his 17 years with the group he has held several posts in the US and Canada and has been president of Plates Lafarge in France.

Gentles will report to David Lovett, who has overall responsibility for the US and Chile.

Lovett is taking on the additional responsibilities of Tony Jackson, who is in charge of Blue Circle's heavy building materials division in Africa.

Jackson, who has been with Blue Circle, retired at the end of 1994 after 37 years with the group and 13 years as a main board director. But Jackson will continue to work as a consultant to Blue Circle in connection with its African operations and report to Lovett.

Jan McKenzie, who joined the group in 1977 and is chief executive of Blue Circle Cement in the UK, takes over Jackson's role as chairman of the group environmental committee. William Hall

Crombie steers Scots shipping company

The new chairman of Caledonian MacBrayne, the government-owned shipping company which operates on the west coast of Scotland, is Graeme Crombie, who recently retired as managing director of Shell UK. Crombie, 54, will serve for three years and succeed Sandy Struthers who has held the non-executive post since 1990.

Crombie joined Shell in 1963 as a chemical trainee and managed parts of Shell Chemicals in North and Central America, as well as Europe, including the UK. He loves the west coast of Scotland and has a home and business interests on the Isle of Bute in the Firth of Clyde.

Crombie's fleet of 32 ships provides the main ferry service work along the west coast, operating to the Western Isles and in the Clyde estuary.

In 1994 CalMac survived an attempt by the Treasury to involve the private sector in its operations. After studying a report by KPMG, Scottish Office ministers decided that covering CalMac's operating losses was still the most cost-effective way of supporting ferry services to the islands. They also realised that any sort of privatisation of CalMac would be politically unpopular. James Buxton

NON-EXECUTIVE APPOINTMENTS

Hugh Norton, a director of BP Exploration and BP Chemicals, at INCHCAPE.

Anne Mintos, deputy director general of the Engineering Employers' Federation, at COUNTRYSIDE PROPERTIES: Christopher Crook and David Doig have resigned.

Janice Paterson, former deputy director of R.E.A. HOLDINGS and from 1993 to 1994 was president of REFUGE GROUP: Patrick Smith has retired.

Vartick Boghos, who retired recently as chairman and chief executive of St Paul (UK), part of the Minnesota-based insurance group, which owns Minet Holdings, as chairman of the holding company of LEES PRESTON FAIRY, the international reinsurance broker at Lloyd's of London.

Dennis Crosby, formerly an executive director, at CAPITAL INDUSTRIES, until he retires next May.

Anthony Martin, former chief executive of Celsis International, at TEPNELL LIFE SCIENCES.

Roger Warren Evans, a barrister most recently with J. Sainsbury at ESTATES & AGENCY HOLDINGS.

Edward Zander, president of SunSoft Inc, at TRINICIA.

John Webster, chairman of Second Consolidated Investment Trust and Geared Income and Assets Investment Trust and retired director of Sun Life Assurance Society, at VENTURI INVESTMENT TRUST.

Samuel Pickstock, retired

Westfield College, University of London, where she is now a visiting professor.

David Hubbard, chairman of Powell Duffry and London and Manchester, at SLOUGH ESTATES.

Michael Dawson, chairman of Tunstall Group, at EURO-COPY.

John Green-Armytage has resigned from R.E.A. HOLDINGS and from ROWE EVANS INVESTMENTS.

Bill Cran, chief executive of BIRKY, as chairman at HEADWAY.

John Emily, a director of Robert Fleming Holdings, at HEMINGWAY PROPERTIES; John Evans has retired.

Peter Turnbull, CEO of Robson Rhodes and former group head of Lex Service, at BSC INTERNATIONAL.

David Rogers, chief executive of Amstrand, at BETACOM; Ken Ashcroft has retired.

Brian North, chairman of British Thornton and Games Workshop, at BRUNICLIFFE AGGREGATES.

Sir Michael Butler and Jeremy Lever have retired from WELLCOME.

Geoff Turton, former director of Digital Equipment, at ADELPHI GROUP.

Brian Thompson, a former past president of the Institute of Chartered Secretaries and Administrators, at SKILL-CHANGE SYSTEMS.

Richard Thornton at THORNTON PAN EUROPEAN INVESTMENT TRUST.

David Gadsby as deputy chairman at A&C BLACK as from April 27 when he retires as joint md.

CONFERENCES & EXHIBITIONS

JANUARY 11

Presentations for Professionals

Sharpen your presentation skills in a workshop. Executive, designers, dealers and stand-up comedians will show you how to galvanise audience attention, ensure impact and memorability, create selling slides, use humour. Learn how to produce unforgettable presentations. Contact: Executive Presentations Tel: 0171 251 5053 Fax: 0171 400 0506 LONDON

JANUARY 17

Latin American Heads of Mission CII/DTI-DTI conference brings together all British Ambassadors in Latin America to provide latest analysis on export and investment opportunities in this major growth market. Opportunities for individual meetings with Ambassadors, DTI Export Promoters and ECGD representatives. Contact: Sandra Alford, CII Conferences Tel: 0171 379 7000 24 hr FAX-ON-DEMAND: 0171 340 1248 LONDON

JANUARY 19

Countdown to the Environment Agency CII conference considers effects and powers on companies with establishment of single Agency combining key pollution control functions of HMTA, NRA and Waste Regulation Authority and will be chaired by Eddie McGuire. Speakers include Eddie George, Tim Farmer and Christopher Fildes. Contact: Gillian Wright CII Tel: 0171 379 7000 Fax: 0171 378 7000 LONDON

FEBRUARY 8

FT - Interconnection The Evolving UK Programme and its International Context This conference, organised by UFTEL and FT Conferences, focuses on the critical aims and faults of the competitive regime as it goes into its second decade and how OFTEL proposes to ensure interconnection arrangements in the UK fully meet the needs of a modern market. Contact: Financial Times Tel: 0171 673 1335 LONDON

FEBRUARY 20 - 21

Business Process Re-engineering (BPR) Leading seminar series on Business Process Re-engineering. Enhanced 1995 programme includes new sections on self-managed teams and radical BPR. Coaching style of presentation. Based on 150 successful BPR projects. 50 organisations in the private & public sectors attended in 1994. Repeated March 21. Contact: Richard Parry, Vertical Systems Intercede Ltd. Tel: 01555 250186 Fax: 01455 584195 LONDON

FEBRUARY 2

ARTS

Sculptural Graces and Venetian glories

William Packer looks back at 12 months of memorable happenings in the world of art

The visual arts last year were full of treats and disappointments, surprises and frustrations. What else would we expect? In any age, there will be more bad art produced than good, and the public taste will shift and change even in relation to work that has long been checked and sifted through the sieve of time. How else do we explain the inconsistencies and reversals in the saga of Canova's "Three Graces", the final twist and resolution of which was for me one of the unequalled good and right things of the year?

For here was a beautiful work, commissioned by an Englishman, a Duke of Bedford, directly from one of the world's great sculptors. Yet feeling on the issue often ran so high against it that one might have thought the artist the most inept and inconsiderable, and his work hideous. The truth is that, just as the Pre-Raphaelites and the High Victorians were all but invisible and discounted a bare generation ago, so is neo-classicism – and neoclassical sculpture in particular still presents great difficulty even to the most cultivated taste. The political decision to keep His Grace's "Graces" here was as brave as it was correct.

The Royal Academy's magnificent autumn offering, *The Glory of Venice*, despite its faults and lacunae – and there were a few – was for me as high a spot as one could wish for in any year. Yet some of my critical colleagues seemed almost to suggest that the best course was to steer well clear of such decadent, trivial and dubious stuff. Piazzetta decadent, Tiepolo trivial, Canaletto and Bellotto aesthetically incorrect? The mere fact that the old Venice, doomed as she was by the 18th century, could still produce such marvels is remarkable enough to justify any such exhibition. The treats we actually got were clearly more than we deserved.

Most of our principal public institutions came up with something special in 1994 – some quite modest, but special nonetheless. Last January arrived with the John Minton retrospective at the Royal College of Art, and at the Royal Academy a definitive selection from Dr Alexandre's long-hidden cache of drawings by Modigliani. Then followed Medardo Rosso, the Italian symbolist and expressionist sculptor at the Whitechapel, the small paintings of Goya at the RA, and at the Tate, a ground-breaking, extraordinary study of the creative relationship between Picasso's painting and sculpture.

Gainsborough and Reynolds in the Royal Collection were compared at the Queen's Gallery, Salvador Dalí as a young man most usefully studied at the Hayward, and Rex



'St James of Compostela' by Giovanni Battista Tiepolo in the Venice exhibition at the Royal Academy; and Bonnard's 'Standing Nude' at the Hayward

Whistler given an appropriate commemoration, 50 years on from his death in action in Normandy, at the Army Museum. The Tate gave Kitzi the full retrospective treatment in midsummer, warts and all – which was the proper thing to do although it provoked controversy. Sandra Blow, at the RA, and Maggi Hambling

at the Barbican, each had strong solo shows.

The Hayward's summer offering of Bonnard at work in his last years at his house, le Bosquet, at Cannes, was materially the most beautiful and, in size and presentation, the most perfectly judged show of the year. Franz Kline at Whitechapel

was a timely reappraisal of an important American abstract impressionist; Camden Art Centre's celebration of Patrick Heron's recent work a just tribute to an equivalent British contemporary.

With the fine and long-overdue retrospective of James Whistler at the Tate: *A Bitter Truth*, Richard



Bonnard's 'Standing Nude' at the Hayward

Cork's study of European Art in its response to the awful stimulus of the first world war; and *Young Michelangelo* at the National Gallery, the year hardly faded with the leaves in autumn. And there has been plenty to take us out of London.

The semi-permanent installation

of Henry Moore at the Yorkshire Sculpture Park is an important development, and the Park also helped to celebrate appropriately the 70th birthdays of our sculptor knights, Anthony Caro and Eduardo Paolozzi. The Barbara Hepworth retrospective at the Liverpool Tate was outstanding, and I very

much admired the paintings of Marie-Louise Moescky, now in her 90s, at the Manchester City Art Gallery. The admirable Tate at St Ives has more than tripled its projected attendances.

In the private galleries, Maurice Cockrell and Carel Weight were shown at Bernard Jacobson, Roger Ackling and Alan Green at Annely Juda, Albert Irvin at Gimpel Fils, David Hepher and John Bellany together at Flowers East, Ellsworth Kelly at Anthony d'Offay, Terry Frost and The Kitchen Sink Painters at the Mayor, John Ward at Hazlitt Gooden & Fox, Balbus at Lefevre, Euan Uglow, Myles Murphy and Anthony Eytan together at Browse & Darby, were all in their different ways memorable.

Abroad, Paris gave us *The Origins of Impressionism* and *La Beauté Exacte*, a study of Dutch painting from Van Gogh to Mondrian, in the spring, and Poussin in the autumn. There was also a ravishing centenary show of Monet's Rouen Cathedral facades, at Rouen; and there was the extraordinary, amazing show of Renaissance architectural models at the Palazzo Grassi at Venice.

So you can see that, overall, I am not complaining. I have never accepted the common grouse that none of these great foreign exhibitions ever come to London, that London is a backwater, and all that. We have plenty of extremely good things at home, and an excuse to go to Paris is just that; an excuse to go to Paris.

There were, of course, low points. The Hayward's *Unbound: possibilities in painting* was, to say the least, a missed opportunity, narrow, affected and uncritical in its approach when there is so much good painting going on. Damien Hirst's *Some Went Mad, Some Ran Away*... at the Serpentine was disappointing too, if only as an anti-climax for I had hoped to be shocked just a bit.

The Romantic Spirit in German Art 1790-1990, at Edinburgh and the Hayward, was simply misconceived. The RA's *Lessons in Life* was a betrayal of all that the study of the life figure once stood for, and still should. The new Jerwood Prize for painting is to be welcomed but, in the event, proved to be another missed opportunity, at least at this first attempt. We shall see.

As for opportunities actually taken for once, the Tate's proposed redevelopment of the Bankside Power Station is entirely to be welcomed. The arguments on paper were convincing enough, but to visit the site itself is to be utterly persuaded. That the project will give us a new museum of modern art of a scope commensurate with London's standing as one of the world's great capitals, is very good news indeed.

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Forecast 95
The outlook for the US economy in 1995 is more clear-cut than at any time since the decade began. After expanding by nearly 4 per cent during 1994, the US economy's growth rate will fade to the 2.5 per cent range by the second half of this year.

The US economy will slow because the Federal Reserve fears that a level of output growth any higher than 2.5 per cent will revive inflation. What remains unclear is how far the Federal Reserve will have to push short-term interest rates in order to achieve its growth target, and whether it will be able to fine-tune a soft landing before there is a visible acceleration of consumer prices.

The economy's resilience during 1994 surprised many forecasters because the early years of the current recovery were characterised by growth rates far more subdued than any other postwar business cycle. It was only in 1994 that the US economy regained the cyclical vigour in employment and income growth that typically occurred during the first two years of previous business recoveries.

The shift from jobless growth to robust employment gains resulted from the abatement of the banking crisis of the early 1990s. Since 1990, America's large Fortune 500 companies have reduced employment from 16.5m to 11.5m, while total US employment has increased by 22m because of the vitality of the small business sector.

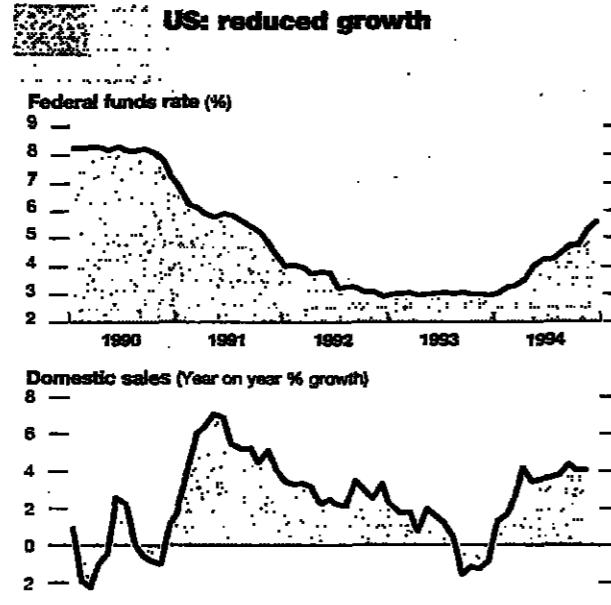
The credit crunch of the early 1990s stalled this job creation temporarily, but it revived after 1992 because of record Wall Street fund raising for small and medium-sized companies, as well as a resurgence of bank lending to all sectors. Job creation from new business start-ups has shot up to levels as high as 165,000 a month recently, from only 5,000 a month in early 1992.

The rebound in output and employment growth during 1994 has pushed rates of capacity utilisation and unemployment to levels that could revive inflation if the economy's growth rate does not slow. The Fed perceives the optimal level of unemployment to be about 6.0 per cent, and it is already at 5.3 per cent in the month excluding California.

As a result, the Fed has increased short-term interest rates to 5.5 per cent from 3.0 per cent one year ago. There is

David Hale predicts that US economic growth will fade

Go slow ahead



no consensus on Wall Street about how much further the Fed will have to tighten, but in previous periods of monetary tightening – excluding the oil price shocks of the 1970s – short-term rates have typically risen by 4 percentage points.

The primary risk in the outlook is that banks are now so anxious to promote lending growth that the credit expansion will not slacken until there is a financial accident.

In the modern era, the level of interest rates alone has seldom provided a complete measure of US monetary restraint. During the mid and late 1980s, US real interest rates were high but credit was easily available to everyone. In the early 1990s, interest rates fell sharply but credit was severely rationed because of the crisis in the banking industry. Since 1993, the Fed has sharply doubled the level of short-term interest rates, but credit is far more readily available today than two years ago because banks are once again competing to make loans. The Fed's tightening during 1994 produced large bond trading

losses at some hedge funds, banks and municipal treasuries, but it has not created a systemic crisis severe enough to dampen the real economy. The primary casualty of Fed tightening has been Mexico. Rising US interest rates, coupled with the prospect that Mexico's current account deficit would shoot up as its economy recovered, encouraged such heavy selling of the peso that the central bank had to abandon its exchange rate target and raise interest rates.

The major new wild card in the US outlook is the Republican takeover of Congress. The Republicans have promised to reduce middle-class taxes without expanding the federal deficit.

cit, by slashing government expenditures on programmes other than defence and income entitlements, such as social security. Many analysts fear that these promises will cause the federal deficit to rise sharply from its current level of \$200bn – despite the fact that the economy is already at full employment.

But several factors suggest that changes in fiscal policy will be cautious. In 1990, Congress enacted laws requiring all adjustments in tax or spending policy to be deficit-neutral. As the Republicans now control both houses of Congress, they will find it easier to enact spending cuts than in the Reagan years.

They will probably also approve a balanced budget amendment to the constitution, intensifying the psychological pressure to balance tax and spending cuts. As a result of these fiscal policy constraints, the economic consequences of the Republican victory will probably be new tax incentives and attempts to reduce the burden of government regulation, not large increases in the federal deficit.

While monetary tightening will depress house building and consumer spending next year, there should be continued healthy growth in exports and business investment. The world economy is recovering and corporate profits have risen sharply since 1991.

The new capacity constraints in US manufacturing will cause the trade deficit to soar towards \$200bn in 1995 from only \$74bn in 1991. But it will fall by \$40bn-\$50bn in 1996 when domestic spending slows.

If Republican proposals to reduce capital gains taxes boost the stock market, the dollar will probably rally as capital outflows from the US decline. But the dollar has reached such competitive levels against other OECD currencies that it will not pose a threat to American exports.

Since 1990, only two out of seven US business cycles have endured beyond a fifth year, and they did so primarily because there was a mid-cycle growth pause which constrained inflation. If the current expansion is to persist beyond five years, it will be because the Fed fine-tunes a slowdown in domestic spending quickly enough during 1995 to subdue incipient inflation pressures while freeing up industrial capacity for a shift to export-led growth next year.

The author is chief economist at Kemper Financial Companies

Forecast 95
Something remarkable is happening to the UK economy. Output is rising faster than prices and the upswing is accompanied by an improving current account, is this just a favourable cyclical conjuncture, or is something more fundamental going right?

I believe that the economy has embarked on a recovery that is essentially a long-delayed reaction to the loss of North Sea oil revenues. Its salient feature is that, although output will probably rise by more than 4 per cent in 1995, it is unlikely that real take-home pay will rise half as fast. That is why the recovery, though little appreciated by consumers, should persist.

The contrast with the 1980s is stark. For 15 years after North Sea oil came on-stream, UK consumption grew by about 1 per cent per annum faster than production. The government's North Sea revenues had driven the tax bills of the voter. Oil exports buoyed up the exchange rate, keeping imports and foreign holidays cheap. Life was good for consumers. The service sector boomed and the government won three elections.

There was a dark side to the oil bonanza, however. UK exporters suffered from the strong exchange rate and many businesses closed. Some who lost their jobs found new ones in the expanding service sector; the others became unemployed.

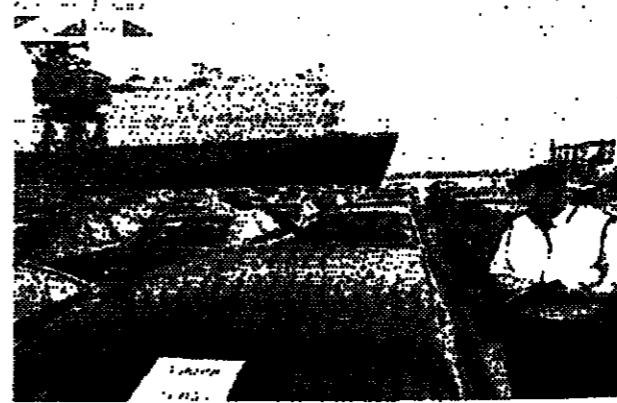
The bonanza might have come to an end when the oil price virtually halved and production peaked in 1986. Instead the UK went on a borrowing spree. Consumption continued to grow faster than output, buoyed up by tax cuts and a strong exchange rate. Having chosen not to live within its means, the UK ran into debt as a consequence.

That sequence of events is now reversing. The only way of converting the oil revenues into higher living standards was via lower taxes and a strong exchange rate. Conversely, today's reduced circumstances require higher taxes and a lower exchange rate. Black Wednesday and sterling's departure from the exchange rate mechanism delivered the exchange rate adjustment. The two Budgets of 1993 put in place an unprecedented rolling programme of tax increases. They were reaffirmed this year and consoli-

Cause for celebration

The UK's recovery should prove durable, says Bill Robinson

UK: export-led upturn



	1992	1993	1994	1995
Output	-0.5	2.00	4.00	4.00
Inflation (RPI ex Mips*, Q4)	3.71	2.75	2.00	2.00
Consumer spending	nil	2.50	2.50	2.00

Source: Department of Trade and Industry's predictions

dated by spending cuts that should eliminate public borrowing by 1998-99.

That is why disposable income is rising very slowly, why consumer spending growth is unspectacular compared with the late 1980s, why retailers are complaining of excess capacity – and why the feel-good factor is absent.

But the bright side of the story is that manufacturing exports, once crowded out by oil, are needed again. The competitive exchange rate makes it easy to sell abroad, and some of the massive investment of the late 1980s (by Japanese car producers, for example) was in exporting capacity aimed at the European market. The upshot is that the recovery is now being led by exports, and the balance of payments is improving. That is the first reason why this recovery should prove more durable than most.

The second reason is that prospects for inflation are even better than for the current account. Wage increases of about 4 per cent are, at the present rate of growth,

matched by productivity gains. As a result, unit costs are stable and UK exporters will hang on to the competitive margin that has helped them to achieve spectacular growth in exports to a reviving EU market this year.

This makes it pretty likely that 1995 will be another good year, with output growing by 4 per cent or more.

Although capacity growth will accelerate this year – the government is expecting 10 per cent real growth in business investment – it is unlikely to match the growth of demand. But there is still spare capacity in the system, especially in the labour market, and with many firms taking on extra labour to cope with high demand, unemployment will continue to fall.

Fears that we are on the threshold of another consumption-led inflationary boom are misplaced. Consumer demand, curbed by tax rises, is heavily dependent on people continuing to save less or borrow more. Yet bank borrowing was

subdued even before the latest interest rate increases. Broad monetary growth is under 5 per cent and at the bottom of its target range (in the heady late 1980s it averaged 18 per cent). So there is little likelihood of excessive consumption growth crowding out the expected growth of exports and investment. If there is a risk, it is on the downside.

It could all go wrong, especially if the chancellor listens to the foolish talk of tax cuts before the next election. But if the politicians are tempted, they will be brought to heel by the most powerful central bank governor in modern UK history. Mr Eddie George, refining his new-found independence of the Treasury, has secured two increases in interest rates and is ready to implement further rises if he sees any loosening of fiscal policy.

And if he doesn't frighten the backbenchers, the bond market should. Investors worldwide have this year decided that inflation is heading upwards and are demanding compensation in advance. Long rates, worldwide, have risen by some 2 percentage points since the start of the year while inflation has gone on falling.

The UK has been in an inflationary downswing since Keynesianism was abandoned in the mid-1970s. The Thatcher administrations transformed the wage bargaining climate in the early 1980s by their greater willingness to tolerate unemployment – and rewriting the rules governing trade unions. Wage inflation has been ratcheted down in three successive cycles, falling rapidly after each of the recessions of 1975, 1980 and 1990.

These disinflationary forces are emphasised by the downward pressure on prices: competition from south-east Asia; a squeeze on retail margins; lower charges in service industries, from the audit to boarding school fees; and deregulation sweeping away professional mystique and the associated price premium.

These micro-economic changes have wrong-footed the macro-forecasters. For three years in a row, inflation has come in below the consensus forecast, while output growth has come in higher. That may happen again in 1995. The consensus is that inflation will rise this year, but I expect it to remain close to 2 per cent.

The author is a director of the London Economics consultancy and was special adviser to former chancellor Norman Lamont

BORDERLESS

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LETTERS TO THE EDITOR

Number One Southwark Bridge, London SE1 9HL
Fax 071 873 5938. Letters transmitted should be clearly typed and not hand written. Please set fax for finest resolution

More far-reaching remedies needed to beat corruption

From Mr Robert Mabro
Sir, The attention you gave to the problem of corruption ("A year of corruption", December 30) is welcome – the more one says about the subject, the better – but your leader ("Corruption has no frontiers") is a bit shallow.

You rightly say that corruption is encouraged by excessive regulation, cumbersome bureaucracies, distorting economic policies. But this is only one part of the story. The remedies advocated (deregulation, privatisation, etc) which may close certain opportunities for bribery will not eradicate the practice.

First, there are laws which cannot be abolished if society wishes to remain civilised. The drug smuggler, for example, has an incentive to bribe. Should we then criminalise all drugs?

Second, many bribes are in the form of commissions or

gifts to secure contracts. To privatise all national industries will not necessarily dispose of the problem. Bribes are also paid by private sector companies to individuals in other private companies who decide on contracts.

Third, the temptations to offer and accept bribes exist wherever power is exercised. It is not enough to limit the scope of the state on the economic sphere. The actions of politicians, civil servants and all those with power in the private sector should be subject to public scrutiny. It is a pity that you do not advocate a very far-reaching Freedom of Information Act and narrower limits to the area of "commercial confidentiality" in the private sector.

Robert Mabro,
director, Oxford Institute
for Energy Studies,
57 Woodstock Road,
Oxford OX2 8FA

A deplorable action

From Mr David Tallboys
Sir, The action of the directors of Pentos, putting a subsidiary into receivership so that loss is borne by creditors rather than shareholders, is deplorable. ("Pentos forces Athens into receivership", December 29). The fact that its action is apparently legal highlights the pitiful standard of corporate governance in the UK and also shows what a feeble effort the Cadbury Report on corporate governance was. The Stock Exchange could at least take some immediate action to redress the issue in respect of quoted companies. It should suspend the shares of any company which is attempting to avoid paying its creditors. The only time creditors will lose money is if the group as a whole fails, in which case they will at least be able to take some comfort from the fact that the shareholders have lost money too.

If the Stock Exchange has to pass some new rules quickly and make them retrospective, so as to apply to Pentos to be it. The shareholders can hardly complain – it is after all, they who should suffer a diminution in the value of their investment for backing a bad company.

David Tallboys,
Ash Villa,
Rogskill, Cumbria CA10 9QX

Classic tax haven facilities offered by Irish corporate structure

From Mr Michael Whitwell
Sir, Mr Torlach Denihan's sensitivity (Letters, December 19) to the appellation "tax haven" is surprising, considering that the Irish non-resident company (made possible by concession of the Central Bank of Ireland) offers the classic facilities of a company registered in a tax haven, is no taxation on income or gains, or the distribution of such income or gains, in the territory of incorporation, subject to certain simple preconditions. The Irish non-resident company meets the Oxford Dictionary definition of "haven" to a tee.

The rate of 10 per cent corporation tax on the profits of companies in Ireland's International Financial Services Centre is a rate regarded as unacceptably low by most developed countries' legislation for controlled foreign compa-

nies, and will normally trigger anti-avoidance legislation designed to combat tax haven entities.

Michael Whitwell,
chief executive,
Jordan & Sons,
21 St Thomas Street,
Bristol BS1 5JS

Take a look at top-up contracts

From Mr Clive Baker
Sir, I read with great interest the articles on pensions ("Survey of Personal Pension Plans", December 31).

I particularly liked the notion of deducting charges from the final benefit to arrive at a net growth figure. Given that most people are locked into their existing contracts, would it not be a good idea to run a similar article on Single Premium or "top-up" contracts which may be an instrument for a saver to overcome the problems of excessive charges and costs.

These are a complex minefield and only become debunked when the pension date arrives.

Clive Baker,
23 Lime Tree Walk,
Stourport upon Severn,
Worcestershire DY13 8TY

FINANCIAL TIMES

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Tuesday January 3 1995

Europe looks south

Europe's biggest challenge since 1989 has been, and remains, the healing of the rift between its eastern and western halves. Second only to that is the challenge of relations with its southern neighbours.

EU members with Mediterranean coastlines have frequently complained that the post-1989 *Drang nach Osten* tends to leave them on the periphery of the Union, and to neglect the serious external problems on that periphery. For the next 18 months, three of those members – France, Spain and Italy – will in turn occupy the presidency. Now if ever is their chance to give the EU a southern slant.

The UK has been in an economy down-hill since the mid-1970s. The three main currency transfers were beginning during the early 1980s by their respective governments to tolerate the movement and returning those governing trade measures. Inflation has been brought down in three stages, falling rapidly at the end of the 1980s and 1990.

These disinflationary efforts were emphasised by the growing pressure on prices of services from south-east Europe in a row, including changes in services from the leading school for regulation sweeping across continental mystique, continued price pressure, these interventions have been fought by the European Commission and the European Parliament, while others are seen in higher taxes in that inflation is over, but it is not clear to what extent.

The most obvious difference is that the north African countries, not being European, are not regarded as long-term candidates for EU membership. Their relationship with the EU, as third-world states adjoining a major economic power, is more comparable with that of Mexico with the US.

Traditional values

In the Arab world as in eastern Europe there is a strong appetite for democracy, after decades of undemocratic rule, yet a risk that democracy could aggravate rather than alleviate economic problems. There is a large and growing surplus labour force, much of which is eager to emigrate to western Europe. And there is a revival of traditional, especially religious, values. But since the religious and cultural traditions are Islamic rather than Christian, this last development tends to widen, and not bridge, the gap with Europe.

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A new year's debt resolution

Will 1995 herald the return of the first-world debt crisis? The twin risks of high country debt and long-term real interest rates mean that the question cannot be dismissed out of hand. The developing world has come a long way in recent years, yet – as events in Mexico have shown – it is still the more likely venue for a nail-biting collapse in investor confidence. But if politically unfeasted and indeed developed countries are able to maintain the markets' trust in 1995, the most likely reason will be because the threat of a real crisis has forced them to meet their ways.

In its latest Economic Outlook, the OECD calculates that the average government deficit among OECD countries will be below 3 per cent of GDP in 1995, down from its 1993 peak of 4% per cent. This is not just the automatic effect of worldwide recovery.

The average "structural" deficit should also fall to 2.8 per cent of GDP in 1995, compared with 3.5 per cent in 1992. At first glance, this would leave OECD budgets much as they were in 1993. The crucial difference, however, is that the average level of gross government debt was then the equivalent of a mere 41.5 per cent of GDP. In 1994, the figure was closer to 71 per cent.

Fears of a "global capital shortage" may be exaggerated. But if the stock of worldwide investment funds is being overstretched, it has more to do with the demands of rich country governments than of fast-developing ones. The switch by governments from net saving to net borrowing has accounted for more than half of the fall in industrial country savings over the past 15 years.

Pious demands

The desire to use the world's financial resources more responsibly has something in common with similarly pious demands about the environment. However desirable, governments do not risk to impose big sacrifices on the electorate in pursuit of a somewhat uncertain benefit, which is unlikely to be felt by those voters who pay the cost. When there is a tangible threat of a national crisis, however, the calculation changes. This is because investors, unlike environmental

In both cultural and economic terms, the Mediterranean is wider than the Rio Grande. The EU's per capita GDP is 19 times that of the Mediterranean Arab countries. Even if output from the southern states were to double between now and 2010, their ever increasing population would ensure that the gap continues to widen.

Economic migrants

But this very fact obliges their EU neighbours to take an interest. If economic growth does not feed the extra mouths by absorbing the extra bodies into the local labour market, they will move northward either as economic migrants or as refugees from the political mayhem produced by greater and greater social stress.

There can be no denying the seriousness of the economic and political crisis which the Arab world – and especially north Africa – is undergoing. Last week's hijacking drew attention to the fact, hitherto largely ignored in Europe, that Algeria, the largest and richest state of the Maghreb, is in the throes of a civil war hardly less barbaric than those ravaging former Yugoslavia and parts of the former Soviet Union. Nor is the background as dissimilar as it might seem. In one case ethnic hatred, in the other religious fanaticism, has run riot among the ruins of a corrupt one-party state which woefully mismanaged the economy.

Unfortunately, the southern EU states which are so acutely seized of the urgency of the problem are also the ones whose workers would face direct competition if the EU market were fully opened to the products which north Africans can most easily and profitably produce: textiles and, above all, Mediterranean agricultural products.

These states also stand to lose if a fixed level of spending has to be shared among a larger number of recipients, whether to south or east. By contrast, they do not bear the main burden of any increase in EU expenditure. Consequently their governments tend to favour aid over market access, and increased spending over redistribution of current spending.

But their chances of winning support for that preference from their northern partners are small. If the three Mediterranean presidencies are indeed to forge a southern strategy of any consequence, they will have to grasp the nettle of market access.

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Vulnerable

As the OECD survey points out, these countries are particularly vulnerable to rising interest rates. Partly this is the automatic result of their heavy levels of debt. Sweden and Canada will have debt/GDP ratios close to or exceeding 100 per cent in 1995, while Italy's will top 125 per cent.

Low average debt maturity and a high share of floating debt make matters worse. Indeed, if real interest rates were simply to remain at their current level, the OECD calculates that all three nations would have to tighten fiscal policy by roughly another 1 per cent of GDP to maintain their current deficit-reducing plans.

Add to this the possible slowing of economic growth due to higher interest rates, and, in the OECD's words, "the risk of serious debt spiral in several countries becomes clear".

The *late note* of the Tory Eurosceptics, after their recent expulsion of nine of their number from the parliamentary party, is that the more immediate concern is about those countries where the ability to stick to even existing plans is in question: above all, Italy, where the collapse of the Berlusconi coalition has further muddied the prospects for concerted budgetary action.

Ironically, the world's bond investors have Italy to thank for the development of their business. It was merchant in the medieval republics of Northern Italy who established the world's first credit markets. Then, as now, credit depended on the belief that the promises would be honoured. A high priority for the new Italian government – of whatever complexion – will be to persuade international investors that Italy's IOUs still meet that test.

Twice this century, the US has seriously flirted with isolationism, on both occasions after being on the winning side in war and after the Republican party had assumed control of Congress.

The romance was largely consummated in the interwar years, starting with non-participation in the League of Nations, moving on to ferocious tariffs on imported goods, and only definitively ending with Pearl Harbour. From 1946 to 1948, a similar option existed prior to the Berlin airlift and the assertion of internationalism by President Harry Truman in the face of the menace of the Soviet Union.

The historical comparisons need to be made today – and not simply because the US "won" the cold war and mostly rightwing Republicans are back in the saddle on Capitol Hill. Two years ago, a Democratic administration came to power committed to domestic priorities but was inexorably drawn into a series of external entanglements which have soured both politicians and public alike on the viability of the present framework in which international relations are conducted.

Serious caveats to the isolationism hypothesis must also be made. Whatever pitfalls it may have encountered, President Bill Clinton's administration is not about to fold its foreign tent and it is still charged with the principal responsibility for the exercise of foreign policy. After the last two world wars, the US economy was remarkably self-sufficient, but it is now far more inextricably embedded in global markets. Nor can it be assumed that the new Republican hierarchy is entirely dominated by the "American firsters" of 50 and 70 years ago and so vocal in the new media today.

Nevertheless, it does now appear that the Gulf war of 1991, fought in part to protect US oil supplies, will represent the high watermark of the classic assertion of US power for the foreseeable future – in the absence of cataclysmic developments such as a direct assault on Israel or a new Russian attempt to suborn eastern Europe. Mr Clinton repeatedly says – as did President George Bush before him – that the US cannot and will not serve as the only global policeman. But that raises valid questions of the extent to which the US will play its role in keeping the world a safer place.

There is no point in denying that the isolationist strain in US politics is stronger now than for many years. It is alive on the left of the Democratic party, which wants resources devoted to domestic problems, as well as on the right of the Republican party. It is seen at its most virulent in the libertarian and populist media, particularly the talk shows, the political influence of which was seen in last November's

Global policeman called home

Jurek Martin asks whether the US will continue to play its role in keeping the world a safer place



Clinton (centre): fighting the isolationist strain of Jesse Helms (right) and Robert Dole's more muscular approach

midterm elections. The failure of these combined forces to stop ratification of the Uruguay Round trade treaty will not necessarily discourage them.

Xenophobia is also on the rise. This was manifest in the successful California referendum denying social services to illegal immigrants and will surface again this year with legislation excluding even legal foreign residents from social benefits. Some prominent Republicans – men like Jack Kemp and Bill Bennett – have joined the Democratic administration in fighting this "nativist" trend. However, the vigour of the arguments of these former members of the Bush cabinet demonstrates how seriously they take the threat.

The biggest apparent menace to a continued and deep US involvement in external affairs comes in the person of Senator Jesse Helms of North Carolina, next chairman of the Senate foreign relations committee. It is too easy to dismiss him as a rightwing curmudgeon, usually navigable with care. Mr Helms now has a serious platform from which

to pursue his perennial crusades – against multinationals (the UN, World Bank, International Monetary Fund, etc), foreign aid in general, anything Russian or Chinese, and any government – particularly on the left – that dares to dissent from US policy. The world may have changed, but there is little evidence he has.

Congressional seniority provides an offsetting force: the dwindling band of Republican moderates is now also in leadership positions on Capitol Hill. Senator Richard Lugar of Indiana, for example, is certain to oppose any attempt to eviscerate the programme providing funds for the demilitarisation of the former Soviet Union that bears his name and that of Senator Sam Nunn, the Democrat from Georgia.

But it is reasonable to expect that US funding for a range of international endeavours – UN peacekeeping, the international financial and development agencies and foreign aid – will come under Republican attack. Already Senator Mitch McConnell from Kentucky, who will chair the all-important appropri-

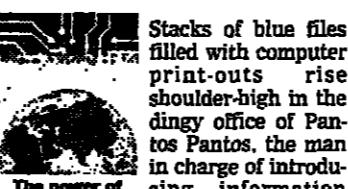
ations committee, has proposed a 20 per cent cut in foreign aid (except for Israel and perhaps Egypt but including a total severance of assistance to Africa). There are plenty of Democrats who think Mr McConnell is right.

Even some of the pillars of the postwar security network including Nato, can expect tougher scrutiny. While Europe agonises over the degree to which Russian policies from Bosnia to Chechnya can be subject to official criticism, fewer qualms are expressed by the likes of Senator Robert Dole, the incoming majority leader, and Mr Zbigniew Brzezinski, President Jimmy Carter's national security adviser who is now an influential force in conservative foreign-policy thinking.

Both argue that Nato must expand rapidly to the east, regardless of Russian sensitivities, or die. Indeed, the progressive conservative disillusionment with the new Russia, exacerbated by Chechnya, puts even greater pressure on the Clinton administration's policies of co-operation and collaboration.

Western Europe, in particular,

Kerin Hope on a project to computerise details of Greece's archaeological sites and artefacts



The power of communications

when they arrive from an excavation, will take time to achieve.

This is not just because archaeologists are inhibited about becoming involved with technology.

In a field

where professional jealousy runs high, important new finds may be hidden from rivals until an excavator publishes his dig report – a process that can take years.

Professor Sandy MacGillivray of

Columbia University says: "You won't see much about Greek archaeology on the Internet, for example, because people don't like making details of what they've excavated available to others."

There is little enthusiasm among senior archaeologists for a database of new material that would be easily accessible to hundreds of researchers. But this attitude provokes impatience among younger archaeologists. They spend a lot of time digging rescue digs – a real task of archaeologists.

"It's a simple database, but it's a start," says Mr Pantos. "But it's taken us almost two years to log about 22,000 monuments registered since 1993. The programme is now up and running, and the data is available to anyone with a computer."

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Retail group head forecasts new agreement

Relaxation of German shopping hours urged

By Andrew Fisher in Frankfurt

The German government came under renewed pressure yesterday to relax shopping hours, with a call from the head of the country's biggest retail group for stores to be allowed to stay open late every weekday.

At present they may open late only on Thursdays. Saturday opening hours are also limited.

Mr Walter Deus, chairman of the Karstadt department store group which last year acquired the Hertie chain, said shops should be able to stay open until 8pm from Monday to Friday.

He also argued for later opening hours on the one Saturday in the month that shops may serve customers after 8pm. In summer, they have to close at 4pm on the "long Saturday" but can stay open until 6pm in winter and just before Christmas.

Mr Deus said in an interview

with the Süddeutsche Zeitung that he expected a consensus-based solution to the shopping hours issue to emerge this year.

Mr Günter Rexrodt, economics minister, failed last year in an effort to relax the closing hours law, but remains keen on the idea, as does the junior coalition party, the Free Democratic party (FDP), of which he is a member.

The ministry has commissioned a report from the IFO economic research institute on the implications of longer opening hours and experience in other countries. Mr Deus said he did not favour the far-reaching liberalisation seen in Britain and the Netherlands.

The German shopping hours debate produces fierce arguments on both sides. Trade unions and smaller shops generally oppose relaxation, while big stores see it as a way of attracting more customers. Department stores' share

of retail business has fallen in recent years, as has the proportion of total private spending going to retail outlets.

Mr Deus said customers disliked having to leave stores early on summer Saturdays: "We have to drive our customers out of the stores and they don't have any understanding for this."

However, the German retail industry association said it still opposed changes in the law, reflecting the view of most of its members.

The shortening of opening hours on summer Saturdays was part of a 1989 compromise in which late Thursday opening was allowed.

Yet the big store groups do not open all their premises late on Thursdays, tending to do so only in city centres.

Out-of-town shopping centres also benefit from longer hours, analysts said.

Papandreou offers to suspend corruption trial of bitter rival

By Kerin Hope in Athens

Mr Andreas Papandreou, Greece's socialist prime minister, is to call off the trial on corruption charges of Mr Constantine Mitsotakis, his conservative predecessor, in an attempt to avert an early election.

Mr Papandreou proposed the suspension of the trial, due to start before a special court later this month, in his new year's message to the nation. He said he wanted to guarantee "the effective functioning of the political system and our national unity".

However, the decision appears to aim at ensuring support from conservative deputies when parliament votes for a new head of state in April. Mr Mitsotakis, now a backbencher who controls a group of deputies in the New Democracy party, would be expected to deliver the 10 extra votes needed for the ruling Pan-Hellenic Socialist Movement

(Pasok) to elect a president with the three-fifths majority required.

With Greece still deep in recession, the socialists are seeking to avoid being forced to call a general election by failing to elect a new president.

A search is under way to find a consensus candidate for the mainly ceremonial post. The front runner is Mr Costis Stefanopoulos, a popular centre-right politician on good terms with both Pasok and New Democracy.

Mr Mitsotakis was charged with accepting a \$22.5m bribe and breach of trust in the sale in 1992 of Heraclies General Cement, the state-controlled cement producer, to a Greek-Italian joint venture controlled by Calistruzzi, the construction arm of the Ferruzzi group.

The suspension would include charges against Mr Mitsotakis for allegedly ordering illegal phone taps of political rivals and breach of trust charges against two for

mer cabinet ministers involved in the Heraclies disposal.

Mr Papandreou also appears to be ending a 30-year political and personal feud with his conservative rival. Mr Mitsotakis defected in 1963 from a cabinet led by Mr Papandreou's father, bringing down that government.

However, the prime minister's move has annoyed some hardline socialists who are keen to see Mr Mitsotakis in the dock, especially as the conservatives took Mr Papandreou to trial on similar charges while in office.

Mr Papandreou was acquitted in 1992 by a single vote after hearing to attend a year-long court hearing.

However, the government knows that a general election this year would derail Greece's economic stabilisation programme and would slow down large European Union transfers, which are seen as crucial to the country's economic recovery.

Housing project

Continued from Page 1

demanded that the Efrat decision be reopened.

Leaders of the West Bank settlement movement rejected the deal out of hand.

"Cessation of work on the first hill," said their spokesman, Mr Yehiel Leiter, "spells out to the Arab community that violence and the rejection of due process pays off. At the same time the government is refusing to put anything in writing."

Rebels halt Russians

Continued from Page 1

among foreign governments, which had viewed Chechnya as a purely Russian affair.

John Riddings adds from Paris: France said yesterday it was exploring ways of promoting a negotiated settlement to the Chechnya conflict, principally through the Organisation for Security and Co-operation in Europe.

The 53-nation body, formerly known as the CSCE, groups members of Nato, the former Warsaw Pact, and several neutral and non-aligned states.

"We are examining, with our European partners, the possibility of contributing to a solution to this crisis through recourse to certain procedures of the OSCE," said a foreign ministry spokesman.

The move reflects increasing international concern about the escalation of the conflict and the rising civilian death toll.

The possibility of an OSCE initiative was also raised by Mr Klaus Kinkel, the German foreign minister, in a telephone conversation with Mr Andrei Kozyrev, his Russian counterpart.

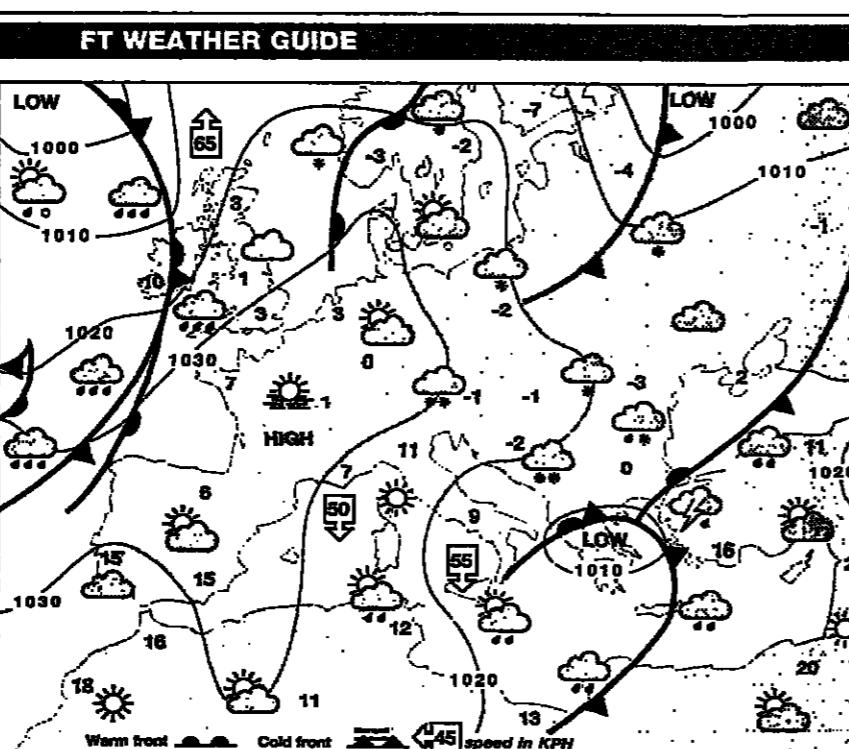
Cause for celebration, Page 10

Europe today

A high pressure system over central Europe will bring settled conditions to the Low Countries, Germany and France. Meanwhile, moist air from the Atlantic will move into the British Isles, producing rain in Ireland, Wales and Scotland. Chilly winds over Poland will be accompanied by periods of snow in southern Poland, the Alps and the Czech and Slovakian Republics. Temperatures will be unseasonably low in Italy with a risk of wet snow as far south as Sicily and Sardinia. Spain will have a mixture of sun and cloud, with light rain in the north-west. South-east Europe will be unsettled with snow in Bulgaria and rain or thunder showers in Greece and Turkey.

Five-day forecast

High pressure over central Europe will move slowly to Russia. At the same time, moist and rather mild air will move into western Europe causing rain or showers in the UK and a mixture of rain and snow in the Low Countries, France and Germany. Sunny periods are likely in Spain, but conditions will become more unsettled later in the week. Temperatures will be below normal in eastern Europe and there will be scattered showers in Greece and Turkey.



Situation at 12 GMT. Temperatures maximum for day. Forecasts by Meteo Consult of the Netherlands

TODAY'S TEMPERATURES

	Maximum	Beijing	rain	3	Caracas	rain	31	Faro	rain	16	Madrid	rain	6	Rangoon	rain	32	
Abu Dhabi	far 23	Belgrade	rain	4	Cardiff	rain	0	Frankfurt	cloudy	0	Madrid	rain	4	Reykjavik	rain	4	
Accra	sun 32	Berlin	rain	4	Copenhagen	rain	17	Geneva	cloudy	1	Malta	shower	30	Rio	shower	30	
Algiers	far 12	Buenos Aires	rain	4	Chicago	sun -10	18	Gibraltar	cloudy	15	Manchester	drizz	2	Rome	rain	10	
Amsterdam	far 14	Bogota	rain	20	Edinburgh	rain	1	Helsinki	drizz	1	Madrid	drizz	30	S. Fraco	rain	12	
Athens	thund 15	Bombay	sun	32	Dakar	sun 26	28	Hamburg	rain	-1	Malbourne	rain	21	Singapore	shower	31	
Atlanta	cloudy	7	Brussels	rain	2	Delhi	sun 4	Haliduo	rain	-6	Mexico City	rain	25	Stockholm	rain	4	
B. Aires	far 32	Dubai	rain	2	Doha	sun 20	Hong Kong	cloudy	20	Migao	rain	18	Strasbourg	cloudy	1		
B. Jem	cloudy	Dubai	rain	2	Dublin	sun 20	Honolulu	rain	28	Milan	rain	18	Toronto	shower	23		
Bangkok	sun 34	Dubrovnik	far	20	Dubrovnik	far 20	Iceland	cloudy	8	Montreal	shower	10	Sydney	shower	23		
Barcelona	far 10	Cape Town	sun	26	Edinburgh	rain	3	Edinburgh	cloudy	21	Munich	rain	17	Tokyo	cloudy	12	
Frankfurt	rain	10	Edinburgh	rain	3	Edinburgh	rain	11	Faro	rain	10	Madrid	rain	21	Toronto	rain	7
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Lufthansa

UK set for balance of payments surpluses until 2005

By Philip Coggan and Alan Pike

The UK can expect persistent balance of payments surpluses over the next decade, according to the latest forecast by Cambridge Econometrics published today.

Although export growth will slow slightly in 1995, the strength of world trade and subdued domestic demand will narrow the current account deficit to just \$1.1bn (£51.1m). This compares with £6.5bn last year and £10.3bn in 1993.

In 1996, according to Cambridge Econometrics' 48-sector model of the economy, the current account will record a small surplus of £1.1bn - 0.1 per cent of gross domestic product - and then stay in the black for much of the period up to 2005.

The forecasting group asserts that there has been a marked improvement in the underlying UK trade performance in important industries over recent years. This was supplemented by the boost to competitiveness and profitability following the pound's 1992 devaluation. Recent figures show the UK had a small current account surplus in the third quarter of 1994.

Economic growth will slow to 3.1 per cent this year, after a likely 3.8 per cent in 1994, says the group. It warns that inflation is likely to accelerate this year as the gap between output and capacity narrows and producers seek to raise margins. The all items retail prices index is set to increase 3.3 per cent over the year.

Cambridge Econometrics says the diversity between the strongest growth industries and those still declining remains marked, despite nearly three years of growth. Industries forecast to have output growth of more than 5 per cent this year included air transport, electronics, computing services, pharmaceuticals, motor vehicles, gas supply, other transport services, rubber and plastics and waste treatment.

Sectors expected to see growth of 1 per cent or less this year were coal, other mining, food, metal goods, public administration, and defence and education.

The forecasters say unemployment will fall gradually to 2m by 2005, from the current level of just under 2.5m. The sectors expected to show the largest job growth in 1995 are hotels and catering, retailing, health and social work, other business and professional services, and paper, printing and publishing.

Cambridge Econometrics says none of the sectors likely to see the largest increases in employment is among the top 10 industries for output growth. This reflected strong productivity gains, so fewer jobs were created.

Cause for celebration, Page 10

THE LEX COLUMN

Market momentum

Last year, financial markets worried themselves sick over the threat of rising inflation. This year, inflation will probably pick up in a number of industrialised economies, notably the US and the UK, in response to continuing strong economic growth. But precisely because inflation has been so thoroughly discounted, markets could be set for a good year.

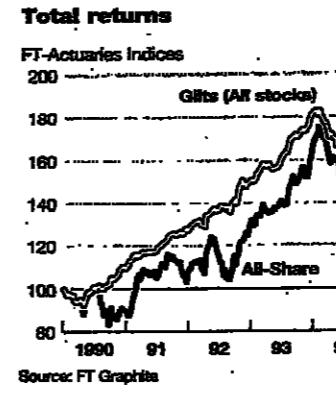
Bonds, in particular, will rally if investors appreciate that inflationary fears have mostly been exaggerated. The business cycle has not been ironed out, but central banks are showing themselves prepared to preempt inflation by tightening monetary policy. Meanwhile, companies are finding it harder than in previous cycles to raise prices because free trade and supply side measures have made their markets more competitive. Moreover, with most of 1993's leveraged bond bets now unwound, rallies should have a decent chance of building momentum instead of faltering as investors sell into strength.

Equities would be supported by a bond market rally. They may also enjoy a boost as profits respond to economic growth. But there are risks. Not only is strong earnings growth for 1995 already built into most equity valuations but there is also a danger that central banks, in their anti-inflationary zeal, may tip their economies prematurely into recession. Even in the US, where the economic cycle is most advanced, this is unlikely before 1996 at the earliest. But equities will be vulnerable to any downward revisions in earnings forecasts.

Flow of funds

A full reversal of 1994's bond losses is unlikely, as exaggerated inflationary fears explain only half the decline. The other half is due to increased real rates of return - a reflection of strong demand for capital throughout the world but relatively low savings. With economic growth set to pick up in Japan and continental Europe this year, this imbalance between global investment and savings could worsen.

Set against this is the prospect that capital will flow more freely around financial markets. There are signs that Japanese investors are willing to buy dollar assets again. That is important given that Japan has the world's largest current account surplus, while the US has the largest deficit. If the Japanese return in force, they will provide support for the US bond market and the dollar, with other financial

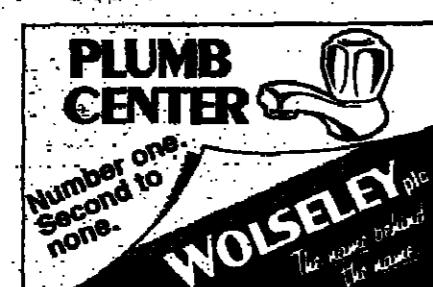


Source: FT Graphs

markets carried higher in sympathy.

US

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**FINANCIAL TIMES
COMPANIES & MARKETS**

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Tuesday January 3 1995

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IN BRIEF

**ICL may enter
Bull alliances**

ICL, the UK-based computing group, may develop specific alliances with Groupe Bull but it does not want to take a stake in its French counterpart as part of its privatisation, according to Mr Peter Bonfield, chairman. He did sound a positive note about prospects for the French group. "Bull has good products, able people and a good position in certain markets and I believe that the group is more advanced along the path to recovery than one might think," he said. Page 17

Bankesto deal hits Portuguese barriers
The sale by Banco Español de Crédito (Bankesto) of its 50 per cent holding in Banco Totta e Açores (BTA), the third-largest Portuguese bank, has removed a stumbling block in the banking relationship between the two neighbouring countries. Now Argentaria, the Spanish banking group, says the path is clear for its "friendly entry" into Portugal. Page 14

Setta prepares for sell-off
Setta, France's state-owned tobacco company, held its first-ever briefing of financial analysts just before Christmas, with a 1994 profit projection before the year had even ended - a strong hint privatisation of Setta is at the forefront of the government's mind. Page 14

Nappy giants call a truce
Procter & Gamble of the US and Mölnlycke, a subsidiary of the Swedish forestry group SCA, yesterday reached a truce in their fierce battle for the European disposable nappy market. The two companies agreed to drop all claims of patent infringement pending between them and give each other licence to use each other's nappy patents without charge. Page 14

Poland names next bank sale
Poland's finance ministry has decided that Bank Gdańsk, one of the smaller of the nine banks hived off from the National Bank of Poland five years ago, is the next to be privatised. The sale is expected to take place towards the end of the year. Page 15

Japanese bonds deviate from likely path
Japan's government bond market did not perform according to plan last year, with yields rising in spite of the weakness of the country's economic recovery. This deviation in the expected relationship between the bond market and broader economic indicators is explained by the increased risk aversion of Japanese institutional investors, says Salomon Brothers in Tokyo. Page 16

Record raised in new issues
More than \$10bn (£15.5bn) was raised in the UK new issue market last year - the highest yearly total ever, according to KPMG Peat Marwick, the accountants for the year. "The merchant banks are still trying to interest us in new issues and I think the first two quarters could be quite busy," said one analyst. Page 16

IMI faces the changes
IMI, the UK engineering group, has been through many changes since 1978 when the former Imperial Metal Industries was floated by ICL. "In 1978, we were very heavily dependent on the UK market," says Mr Gary Allen, chief executive. Now his aim is to create a cohesive group of "clearly defined, global businesses with technical and market leadership". Page 17

Nairobi edges open to foreign investors
Foreign investors are allowed back into the Nairobi stock exchange for the first time in 30 years. However, they are not expected to rush in as the market until foreign exchange controls are scrapped and rules barring trade in foreign-owned companies are clarified. The Nairobi bourse - the fourth largest in Africa - has soared since the government said foreign investment would be allowed. Back Page

**Launch today for
Fledgling Index**

The FT/SE Actuaries Fledgling Index is launched today, charting the performance of around 800 companies too small to be included in the FT/SE All Share Index.

It offers investors the opportunity to track the performance of companies accounting for only 1.8 per cent of UK stock market capitalisation. These companies have substantially outperformed larger stocks over the last two decades.

The new Index includes companies from the Unlisted Securities Market, in addition to those with full listings. However, it will exclude particularly illiquid stocks which might distort the overall performance of the index.

Companies in this issue		
BT	14	ICL
Bankesto	14	IMI
Bank Gdansk	16	Jernyn Investment
Bertelsmann	18	Leo Kirch
Burk	13	Midland Bank
Capita	14	Mölnlycke
Daimler-Benz	13	Procter & Gamble
GES-Nethom	14	RBS
GPF	14	Santoff & Saatchi
Groupe Bull	17	Telekom Malaysia

Market Statistics		
Asset sales service	18-19	London share service
BIS currency rates	22	Managed funds service
FT World Indices	22	Bank Page - Money markets
FT Guide to companies	27	New York share service
Foreign exchange	22	Short-term int rates

Midland overhauls sales force strategy

By John Gapper,
Banking Editor

Midland Bank, the UK subsidiary of HSBC Holdings, is to integrate its 850-strong life insurance and pensions sales force into its branch network and retrain staff to meet tougher regulatory requirements.

The bank has just told staff that it intends to break the division between its branches and its sales force in an effort to meet regulatory requirements including rules on the disclosure of commission introduced this week.

There is expected to be a small reduction in staff numbers, but the bank is appointing sales managers in each of its

206 areas who will be responsible for ensuring that its sales force complies with the new regulations.

Mr Keith Whitson, Midland chief executive, said the bank was re-training its sales force to meet "increasingly onerous" regulations. It also hoped to increase sales by persuading branch and sales staff to work more closely together.

The bank's move follows disruption in other financial services companies caused by regulation. Halifax Building

Society withdrew its 600-strong sales force in October after discovering failures to meet requirements.

Midland has already introduced a new payment structure for employees selling financial products which gives them a higher proportion of salary compared with commission. An average employee now receives 90 per cent of payment in salary. Mr Whitson said that Midland wanted to "make sure that someone in a small branch has an additional string to his bow and not someone who is compet-

ing with him" by integrating the sales force into the branch network.

The sales force has until now been managed separately in a division based in Southampton. There will continue to be some functional management of the sales force, but members of it will now report primarily to regional divisions.

In addition to the fully-trained sales force, which will be able to sell the whole range of regulated products, the bank is training about 1,250 staff to sell endowment mortgages.

Ms Bernadette Fisher, a negotiating officer for the Banking, Insurance and Finance Union, said the change could be welcomed by staff who would no longer have to sit regulators' exams, which many had found "quite a strain".

Midland has applied to join the new Personal Investment Authority, the self-regulatory body for retail financial services which will administer the new regulatory framework, but has not yet received formal approval.

The new commission disclosure requirements for life products are expected to benefit banks and building societies which have branch networks and do not have to meet all distribution costs solely from sales commission.

Alison Smith reports on the impact of a new regime of disclosure for the financial services sector

**Rules to update
'caveat emptor'**

As thousands of sales agents and independent advisers in the UK financial services sector return to work today, it will not be just a New Year's resolution that will make them more open with their customers.

Instead, new regulations mean they must tell potential investors more about what they sell.

Such a change sounds innocuous, but life insurers are in no doubt of its significance. The importance of the new regime is heightened, coming just as the life sector is reeling from a troubled year in 1994.

Last year, sales were hit by factors such as public concern about standards of selling because of the personal pensions debacle, and the continuing lack of consumer confidence. This in turn damaged investor confidence, contributing to a fall in the share prices of Prudential, one of the largest life insurers from a year ago of 248p to 316p at the year-end.

But life insurance executives admit that worse may be to come. "Commission disclosure and charges disclosure are going to have a significant commercial impact," said Mr David Prosser, chief executive of Legal & General, one of the UK's largest life insurers.

The reason why disclosure is significant is that customers buying life insurance knew very little about how much of the premiums they paid went to the life company and so were not invested.

The lack of hard information combined with the ending in 1998

of an industry-wide agreement setting maximum commissions, enabled life companies to pass on rising costs to consumers without driving customers away. This meant there was little effective competition.

From today that changes. Every sales agent and adviser must now give the customer a short, stand-alone paper stating the aims and risks of the policy, how much money the customer might get back if a long-term policy is given up early, and the cost to the customer of the advice.

In most cases, the cash value of the commission - not previously identified - will come as the greatest shock. Commissions paid to sales agents and independent advisers at Norwich Union. Despite policy improvements, life insurers do not doubt that some potential customers will be deterred by what they see.

The disclosure rules have already contributed to changes in how and what life companies sell. "Because people will think that the charges are too high, they may just spend the money on something else instead," said

Mr John Hylands, Standard's head of marketing. "Our fear is that reaction will be simply not to buy."

Research for City regulators by National Economic Research Associates, an economic consultancy, suggests the fear is justified. It forecast that the disclosure regime would reduce sales by about 10 per cent against what they would otherwise have been.

Within this smaller market, companies' profitability is likely to be squeezed as they lower their margins and cut costs to compete. The NERA research said the charges could be cut by about £80m a year, including reductions in commission of about 20 per cent by 1997, with

40 per cent of UK life companies having expense ratios which would make them vulnerable in a price war.

Conversely, however, if a disclosure does hasten the demise of less competitive insurers, it will leave more capacity in the market for those who survive. When the market does expand - in areas such as pensions and health care policies - they should reap added rewards from having become more efficient.

Particular classes of insurers which should be well-placed are the lower-cost providers including some banks and building societies selling through branch networks. Although they are incurring extra costs from a tougher regulatory regime, their distribution overhead is spread over a wider variety of products.

But there is already evidence of stiffening competition to provide low-cost products. Virgin, the air-

line and leisure group, and Marks & Spencer, the retailer, both plan to sell life and equity products. Virgin is setting up a joint venture with Norwich Union, the insurer, to sell products by telephone.

It may also be easier for independent advisers who select policies from across the market than for sales agents selling products from only one company to demonstrate they are providing a service to warrant the cost.

But the impact of the regime will depend on how ready investors are to use the new information available to them to compare prices.

The extent of changes in customer behaviour will not be apparent immediately, and perhaps not for some months. What is already plain, however, is that the effect of introducing greater openness will last far longer than many good resolutions made at the start of 1995.

In most cases, the cash value of the commission - not previously identified - will come as the greatest shock

uses has prompted some companies to find ways of spreading commission more broadly over the life of the policy to increase the amount available to investors who give up policies prematurely.

Standard Life, for example, announced in October that it would raise surrender values. It is maintaining its commission levels to independent advisers to

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line and leisure group, and Marks & Spencer, the retailer, both plan to

INTERNATIONAL COMPANIES AND FINANCE

Mölnlycke and Procter resolve patents quarrel

By Hugh Carnegie

in Stockholm

Procter & Gamble of the US and Mölnlycke, a subsidiary of the Swedish forestry group SCA, yesterday took time out from their fierce battle in the European disposable nappy market to make peace on a series of legal disputes over nappy product patents.

The two companies agreed to drop all claims of patent infringement pending between them, and give each other licence to use each other's nappy patents without charge. Procter & Gamble also agreed to pay an undisclosed sum to Mölnlycke, described in a statement by the Swedish company as "minor amount".

In recent years, the two companies have been the leading producers of disposable baby nappies in Europe. P&G makes the Pampers brand, while Mölnlycke leads the market in France, the Netherlands and the Nordic countries with its Peaudouce and Libero brandnames. It is also Europe's top producer of own-label nappies for retailers.

They became embroiled in a number of legal disputes in several countries over patents covering the design and struc-

Chairman steps down at GEC-Alsthom

By John Riddings in Paris

Mr Jean-Pierre Desgeorges is to step down as chairman of the management board of Anglo-French engineering and transport group GEC-Alsthom. He will be replaced by Mr Pierre Bilger, current chief executive.

The company said yesterday that the departure of Mr Desgeorges, 64, had been anticipated and that he had played a representative role at the company since spring 1991. Mr Bilger has been in charge of the day-to-day running of the group.

GEC-Alsthom said the move was not related to the strikes which shook its French plants last year.

Mr Bilger is regarded as one of the key managers at Alcatel Alsthom, which jointly owns GEC-Alsthom with GEC of the UK.

As well as Mr Bilger, the board now comprises: Mr James Brian Cronin, managing director; Mr Kelvin Bray, managing director of the power generating division; and two new members, Mr Claude Darmont, managing director of the transport division and Mr Robert Mahler, managing director at power transmission and distribution.

Spain and Portugal settle banking dispute

By Tom Burns in Madrid

The sale by Banco Espanol de Crédito (Banesto) of its 50 per cent holding in Banco Totta e Açores (BTA), the third-largest Portuguese bank, has removed a stumbling block in the banking relationship between the two neighbouring countries.

The first beneficiaries of the improved climate are likely to be two government-controlled institutions, Spain's Argentaria banking corporation and Caixa Geral de Depósitos, Portugal's leading financial group. Their preliminary agreement to foster cross-border expansion has been held up for the past three months by the Banesto-BTA dispute.

The Portuguese were angry that Banesto, when controlled by former chairman Mr Mario Conde, had circumvented regulations on foreign control of BTA by building up a 25 per cent indirect stake on top of a 25 per cent direct holding.

Relations between the financial

authorities of the two countries remained cool as Madrid accused Lisbon of breaking the European Union's single market rules by discriminating against an inward investment by a fellow EU member.

Relieved that that dispute is now over, Argentaria said yesterday that the path was now clear for its "friendly entry" into Portugal. The Spanish banking group said in September last year it intended to sell a 60 branch subsidiary called Banco Simeón to Caixa Geral de Depósitos in return for some 30 offices in Portugal.

The solution to the row came with Banesto's sale of both its direct and indirect holdings in BTA to Mr Antonio Champalmaud, a veteran businessman who rebuilt his fortune in Brazil after his industrial and financial empire was nationalised in Portugal's 1974 revolution. Now once more Portugal's richest individual, Mr Champalmaud has reportedly received assurances that he will not be called on to make an offer for 100 per cent of BTA.

Banesto, part of Banco Santander, Spain's biggest banking group, was understood to have had little option but to cut its losses and sell out of BTA because of the opposition by the Lisbon authorities to its continued presence in the bank. The sale price of Es153bn (\$961.1m), approximately twice book value, was below what analysts estimated the investment was worth, and was described as "reasonable" by Banesto.

The indirect holding in BTA was especially embarrassing for Banesto's new owners because it was controlled by two Portuguese lawyers who are associates of Mr Conde's personal lawyer in Madrid, Mr Conde, who has been forced to sell his own equity in Banesto, is currently being held on remand accused of defrauding his shareholders.

The long shadow cast by the Banesto-BTA row is believed in Madrid to have been an important reason behind the Portuguese government's decision last year to veto a bid by Banco Comercial Português (BCP) for Banco Português

do Atlântico, the second-largest Portuguese bank. Fuelled by the Lisbon government's disapproval of the takeover was the 20 per cent shareholding in BCP owned by Banco Central Hispano, the big Spanish banking group.

Under its agreement with Argentaria, Caixa Geral de Depósitos, which already owns Banco de Extremadura, based in the western Spanish region of Extremadura, will substantially build up its penetration in the Spanish areas adjoining Portugal. Simeón, which has a market value of some Pta20bn (\$151.9m), has a strong presence in Galicia, north-west Spain, with 50 branches.

Argentaria, which like Caixa Geral de Depósitos has a strong position in the mortgage market, wants in return to build up its presence in Portugal, where it runs 18 branches through its Banco Exterior unit. A new climate in cross-border banking is essential to Argentaria's strategy, as it wants to establish itself in competitive, prime sites in Portugal.

GWR suffers setback in plans for Poland

By Christopher Bobinski

in Warsaw

GWR, the UK-based commercial radio group, has suffered a setback in its plans to expand into central Europe, with the refusal by Poland's broadcast media licensing authority to license Inforadio, a 24-hour talk and news station.

GWR, which was supported in the venture by the BBC, holds a 33 per cent stake in the planned station, which would have been the first of its kind in the country.

GWR, which has a 17 per cent share in Classic FM, the

successful classical music station, is being forced to invest abroad because it already has the maximum number of licences allowed in the UK.

GWR's partners in Inforadio, which include local newspapers, have said that they would appeal against the council's decision.

The decision was taken, according to the council, because the legal status of the state-controlled Polish Press Agency (PAP), one of the shareholders, was unclear.

The council is expected soon to announce a new licensing round for radio frequencies.

Consortium's bid prospectus for Rolo cleared

Consob, Italy's stock market regulatory authority, has approved the prospectus for the takeover bid presented by a consortium of Italian banks for fellow bank Credito Romagnolo (Rolo), AP-DJ reports

The consortium is led by Milan-based savings bank Cassa di Risparmio delle Province Lombarde (Cariplo), and includes Istituto Mobiliare Italiano (Imi) and Cassa di Risparmio di Bologna (Carisbo).

The bid is a counter offer to one made by Credito Italiano in December, which has already received Consob's approval.

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NOTICE TO THE HOLDERS OF TAMURA CORPORATION (the "Company")

Notice is hereby given that as a result of the issuance of Japanese Yen 10,000,000.00 2.1 per cent Convertible Bonds due 2002 by the Company on 28th December, 1994 with the initial Conversion Price per Share of Yen 720.00, determined on 16th December, 1994, being less than the current market value of Yen 765.00 per Share for the conversion Warrants as at that date, the Company shall adjust the Subscription Price of the unexpired Warrants with effect from 29th December, 1994 as follows:

Subscription Price before adjustment: Yen 657.00 per Share

Subscription Price after adjustment: Yen 659.00 per Share

TAMURA CORPORATION

By THE ASAI BANK, LTD.

As principal paying agent

3rd January 1995

SOCIETE GENERALE

USD 200,000,000

SUBORDINATED

STEP-UP FLOATING

RATE NOTES

DUE 2008

ISIN CODE :

XS0047942577

For the period

December 30, 1994

to March 30, 1995

the new rate has been

fixed at 7 % P.A.

Next payment date :

March 30, 1995

Coupon no : 5

Amount : USD 175

for the denomination of USD 10,000

USD 1750

for the denomination of USD 100,000

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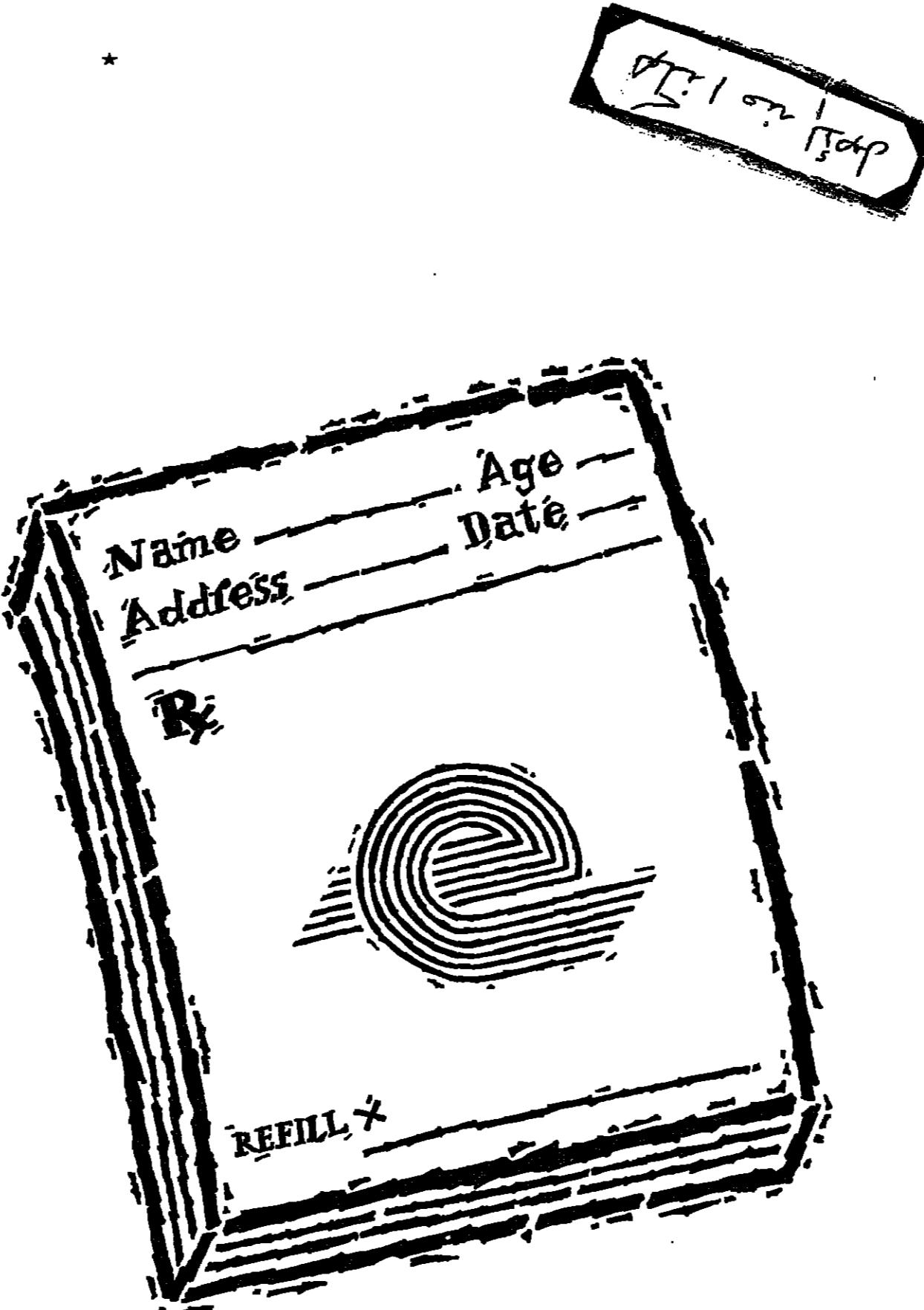
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10



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systems," says Elan Chairman, Donald Panoz. "Today we're an integrated business with a Mind to Market strategy --

formulating, testing, registering, manufacturing and marketing. To continue our growth, we chose an innovative partner."

By moving to the NYSE on January 3rd, Ireland's Elan Corporation (ELN) joins a market with unparalleled access to global

capital and investors. And they're not alone. In 1994, 52 non-US companies listed on the NYSE bringing the total number

of non-US companies listed to 202. Both records. No wonder the NYSE is starting 1995 with Elan.

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The logo for the New York Stock Exchange (NYSE) features the letters 'NYS' in a bold, black, sans-serif font. The 'N' and 'S' are flanked by vertical columns of horizontal bars, while the 'Y' is composed of a series of diagonal bars.

INTERNATIONAL COMPANIES & CAPITAL MARKETS

Bank Gdanski next on Polish privatisation list

By Christopher Bobinski
in Warsaw

Poland's Bank Gdanski, one of the smaller of the nine banks hived off from the National Bank of Poland (NBP) five years ago, is the next to be privatised, the country's finance ministry has decided.

The sale is expected to take place towards the end of this year and will follow the privatisation of the Krakow-based Bank Przemyslowo Handlowy (BPH), which is due to close on January 12.

The decision also puts off until 1996 the sale of the larger Warsaw-based Powszechny Bank Kredytowy (PBK) which lobbied hard to be the next for flotation.

The sale of PBK will leave

four of the original nine NBP banks still in state hands. The four, based in Lodz, Szczecin, Lublin and Wroclaw, are currently preparing to form a holding group as a prelude to privatisation.

Mr Edmund Tolwinski, the Gdanski chairman, said yesterday that his bank's privatisation plan envisaged a public offer covering 60 per cent of its equity with 35 per cent staying in state hands and 5 per cent being sold to the bank's employees.

A key element of the strategy worked out with Schroders, the merchant bank advising Gdanski on the sale, will be to offer two-thirds of the available shares in a separate tranche to foreign investors.

This mirrors developments

in the current sale of the larger BPH bank, where the government has been forced to offer tax breaks to spur local interest and look to investors to help close the offer.

Just over half of the BPH's shares have been put up for sale and the European Bank of Reconstruction and Development has said it would purchase one-third of these should other investors fail to come forward. Daiwa Europe has also agreed to find purchasers for a further 9.1 per cent of the offer which is worth 364m new zlotys (£150m) at the minimum price of 70 new zlotys a share.

The Bank Gdanski's balance sheet is worth 2.9bn new zlotys and it is capitalised at 306.2m new zlotys. It reported a 110.7m new zlotys net profit in 1993.

for Home struck with a group of US investors.

S&P said its decision reflects Home's agreement with Zurich Insurance. "This transaction, S&P believes, would reduce Home Holdings' ability to service its debt and its policyholders' claims," it said.

Home's senior debt rating is BB and Home Insurance Inter-company Pool's rating is BBB.

The March bond future fell 0.21 to close at 98.62, while in the cash market the 10-year bond fell by 21 basis points to close at 79.89. With a yield of about 12.4 per cent, the BTP is now trading at a spread to German bonds of some 480 basis points.

Auctions of 10 and 30-year paper were oversubscribed. Bids of L2,200bn were received for L1,500bn of 10-year BTPs carrying a coupon of 9.5 per cent. The gross yield on the issue was 12.34 per cent, slightly lower than for a 10-year issue last month. The gross yield on L1,000bn of 30-year paper was 12.67 per cent, 30 basis points more than at an auction in November.

Prices in Spain moved up slightly, with the March future closing up 0.09 to 83.69. In the cash market, 10-year paper rose by 0.08 to close at 78.88, yielding 11.82 per cent.

The study concludes that:

"The environment [in 1995] –

in terms of the expected volatility of interest rates, debt

maturity, structure of the market and expected returns – was very different then, so 1994 is deservedly described as 'the worst year in modern times'."

Cash and equities were also hit by the downturn in financial markets, the study found.

Despite being the best-performing asset class last year, cash recorded the lowest returns

– traditionally the most volatile sector of the gilts market, were the worst performers, posting a return of minus 11 per cent, the lowest since 1974.

Medium-gilt funds recorded a return of minus 7 per cent, and while short-dated gilts posted a small positive return, last year was still that sector's worst since 1955.

The study suggests that a shift by investors from equities into bonds may have already been taking place for some time.

European prices drift lower in thin trade

By Richard Lapper and Graham Bowley

European government bond markets drifted slightly lower amid extremely subdued trading conditions yesterday with the US, UK and French markets closed for holidays.

GOVERNMENT BONDS

German debt moved sideways in extremely thin trading. In Frankfurt the March bond contract settled at 88.91, down 0.12 on Friday's close.

Volumes are expected to pick up today. Looking further ahead, the market remains focused on the first Bundesbank council meeting of the year on Thursday and US employment data on Friday.

Trading was minimal in Italy, where players await the outcome of talks later this week aimed at ending the political crisis sparked by the resignation before Christmas of Mr Silvio Berlusconi.

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Emiko Terazono expects a better economic environment in 1995

Japanese bonds set to stabilise

The Japanese government bond market did not perform according to plan last year. Yields rose in spite of the country's economic recovery, inflation below 1 per cent and a 10 per cent appreciation in the yen. The year, the yield on the 10-year bond rose by more than 130 basis points to about 4.4 per cent.

This deviation in the expected relationship between the bond market and broader economic indicators is explained by the increased risk aversion of Japanese institutional investors, according to Salomon Brothers in Tokyo.

Mounting bad loans and

sharp falls in unrealised gains

on their assets have impeded the ability of Japanese banks

to take risks.

At the same time, in the first half of last year banks sold bonds to realise gains ahead of

the end of accounting periods, depressing prices and prompting an increase in volatility.

Banks, including city, regional and long-term credit banks, sold Y3,800bn of bonds during the first three months of the year. By the end of the year, financial institutions held only 26 per cent of their assets in bonds compared with 32 per cent in November 1993, according to the Nikkei Financial Daily.

Whether or not the relationship between economic fundamentals and the bond market will resume its traditional pattern in 1995 depends largely on the extent to which banks and other institutional investors are able to repair their balance sheets. In this respect there have been some encouraging signs recently.

The value of outstanding non-performing loans declined by 19 per cent in the six months to September 1994, indicating that the problem may have peaked.

Last month, the Bank of

Japan announced that it would join private banks to set up a bank to rescue two ailing credit companies saddled with bad loans – the bulk inherited from the bursting of the nation's late 1980s "bubble" economy. The Tokyo-based institutions, Aizen Credit Bank and Tokyo Kyowa Credit Association, had total bad assets of Y100bn.

In any event, although institutional investors may not become aggressive buyers of bonds, price volatility may ease and the market could benefit from the more positive economic environment.

Deflationary pressures remain strong and the recovery in consumption is expected to be sluggish. Rising demand is likely to increase the rate of capacity utilisation only to levels reached during the troughs of Japan's previous two economic cycles.

"A return to a utilisation rate above 78 per cent – the point at which in the past business investment picked up con-

tinuously – is not likely before mid-1995," says Salomon Brothers.

This suggests that demand for capital investment from companies will remain subdued, posing little risk of a rise in long-term interest rates.

Meanwhile, further support for 10-year bonds will also come from the supply side, says Mr Jim Vestal, at Barclays de Zoete Wedd. Although government bond issues are set to rise from Y28,800bn in 1994 to Y30,700bn in 1995, increased issuance is likely to be concentrated in two, four, six and 20-year notes.

Issuance of 20-year paper, for example, is expected to increase from Y200bn to Y1,300bn. Issuance of 10-year bonds is expected to be unchanged at Y12,000bn. With worries over supply peaking, and investors becoming increasingly convinced of a fragile recovery, Mr Vestal believes the yield on the long bond could drop to 4.3 per cent over the next few months.

Gilts record their worst performance since 1955

By Graham Bowley

UK government bonds recorded a total return of minus 7 per cent last year, their worst performance since 1955, according to a study by S.G. Warburg, the UK investment bank.

Long-dated gilts, traditionally the most volatile sector of the gilts market, were the worst performers, posting a return of minus 11 per cent, the lowest since 1974.

Medium-gilt funds recorded a return of minus 7 per cent, and while short-dated gilts posted a small positive return, last year was still that sector's worst since 1955.

The study concludes that:

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The study suggests that a shift by investors from equities into bonds may have already been taking place for some time.

Tokyo futures trading volumes up by 58%

By Richard Lapper

Trading volumes at the Tokyo International Financial Futures Exchange (Tiffe) rose to record highs last year. Annual volume of 38,054,953 contracts was 57.7 per cent greater than in 1993.

Trading was dominated by the three-month euroyen interest rate future, with annual volumes totalling 37,425,846 contracts against 23,386,566 in 1993, a rise of 60 per cent.

The daily average trade during 1994 amounted to 163,988 contracts, up 98,074 contracts in 1993.

Growth in the smaller one-year euroyen future was also strong, rising from 4,434 to 25,100, a rise of 466.1 per cent.

By contrast, trading activity in Tiffe's two other contracts

declined. The option on the three-month euroyen future was down by 16.9 per cent to 570,237, and trading volumes in the dollar yen currency future fell by 71.5 per cent to 13,770.

Overall, trading volumes at the exchange have risen from 4,615,064 since 1989.

● Allgemeine Hypothekenbank, the German mortgage bank, is to issue DM150m of two-year Pfandbriefe, or mortgage-backed bonds, in a deal lead-managed by Deutsche Bank.

The bonds have an issue price of 100.08 and pay a coupon equal to the three-month Frankfurt interbank offered rate, or Fibor.

Pfandbriefe are a uniquely German type of bond used by banks to finance mortgages and municipal loans.

JOTTER PAD

MEAT AND LIVESTOCK

LIVE CATTLE CME (40,000lb; cents/lb)

Sett Day's High Low Open Int. Vol.

Feb 72.75 -0.40 72.75 71.90 22,207 3,765

Mar 72.50 -0.55 72.50 72.15 24,201 2,005

Apr 67.25 -0.55 67.25 68.00 6,244 851

May 64.00 -0.50 64.00 64.82 3,543 252

Jun 65.04 -0.55 65.10 67.00 1,981 61

Jul 65.92 -0.55 65.92 65.30 3,430 343

Aug 65.25 -0.55 65.25 65.00 2,000 343

Sept 65.25 -0.55 65.25 65.00 2,000 343

Oct 65.25 -0.55 65.25 65.00 2,000 343

Nov 65.25 -0.55 65.25 65.00 2,000 343

Dec 65.25 -0.55 65.25 65.00 2,000 343

Total 65.25 -0.55 65.25 65.00 2,000 343

NA NA

■ LIVE HOGS CME (40,000lb; cents/lb)

Sett Day's High Low Open Int. Vol.

Feb 33.92 -0.05 33.92 33.10 3,082

Mar 33.90 -0.05 33.90 33.10 3,082

Apr 33.88 -0.05 33.88 33.10 3,082

May 33.86 -0.05 33.86 33.10 3,082

Jun 33.84 -0.05 33.84 33.10 3,082

Jul 33.82 -0.05 33.82 33.10 3,082

Aug 33.80 -0.05 33.80 33.10 3,082

Sept 33.78 -0.05 33.78 33.10 3,082

Oct 33.76 -0.05 33.

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OFFSHORE INSURANCE

CURRENCIES AND MONEY

POUND SPOT FORWARD AGAINST THE POUND

Dec 30	Closing mid-point	Change on day	Bid/offer spread	Day's Mid high	Day's Mid low	One month Rate	%PA	Three months Rate	%PA	One year Rate	%PA	Bank of England Index
Europe												
Austria	(Sch) 17.0648	+0.0374	554 - 742	17.0667	16.9915	17.051	1.0	17.014	1.3	-	115.8	
Belgium	(Bfr) 49.7981	+0.0387	508 - 453	49.9300	49.8380	49.7881	0.7	49.8831	1.1	49.0831	1.4	117.6
Denmark	(DKr) 9.5204	+0.0242	154 - 152	9.5334	9.4910	9.5175	0.4	9.525	-0.2	9.4915	0.3	116.8
Finland	(Fm) 7.4150	+0.0217	048 - 251	7.4300	7.3630	-	-	-	-	-	88.1	
France	(Fr) 8.3495	+0.0203	447 - 540	8.3892	8.3441	8.3307	-0.2	8.3452	0.2	8.2918	0.7	110.2
Germany	(D) 2.2742	+0.0204	120 - 121	2.2842	2.2434	2.2434	0.8	2.2842	1.0	2.2845	1.7	126.9
Greece	(Dr) 1.3765	+1.389	220 - 617	1.3772	1.3747	1.3772	-	-	-	-	-	
Ireland	(I) 1.0131	+0.0332	123 - 138	1.0146	1.0092	1.0133	-0.2	1.0123	0.3	1.0112	0.2	105.0
Italy	(I) 253.02	+0.07	603 - 000	254.03	253.42	254.04	-2.8	253.77	-2.5	260.92	-2.6	72.8
Luxembourg	(Lf) 49.7981	+0.0387	508 - 453	49.9300	49.8380	49.7881	0.7	49.8831	1.1	49.0831	1.4	117.6
Netherlands	(Ft) 2.7149	+0.0203	132 - 185	2.7149	2.7071	2.7131	1.0	2.7071	1.0	2.6711	1.8	121.4
Norway	(N) 1.0131	+0.0204	120 - 121	1.0146	1.0092	1.0133	-0.2	1.0123	0.3	1.0112	0.2	105.0
Portugal	(Pt) 245.069	+0.017	422 - 302	246.069	245.889	245.889	-0.2	251.264	-3.7	-	-	86.4
Spain	(Pt) 205.533	+0.0234	781 - 079	205.678	205.823	205.295	-2.1	207.016	-2.1	210.275	-2.1	87.7
Sweden	(Sk) 11.0303	+0.0245	198 - 216	11.0818	11.0576	11.0476	-1.8	11.0801	-1.7	11.7991	-1.4	75.8
Switzerland	(Sfr) 2.0474	+0.0045	462 - 488	2.052	2.0458	2.0439	2.1	2.0372	2.1	2.0919	2.7	124.8
UK	(G) 1.2768	+0.0207	751 - 764	1.2788	1.2731	1.2788	-0.1	1.2762	-0.1	1.2685	0.6	111.1
EUR	-	-	-	-	-	-	-	-	-	-	-	
SORT	-	-	-	-	-	-	-	-	-	-	-	0.935353
Americas												
Argentina	(Peso) 1.5646	+0.0005	640 - 652	1.5687	1.5652	-	-	-	-	-	-	
Brazil	(Br) 1.3251	+0.0034	231 - 271	1.3271	1.3220	-	-	-	-	-	-	
Canada	(C) 2.1942	+0.0203	188 - 189	2.1945	-0.1	2.1955	-0.3	2.2053	-0.5	2.1944	-0.4	84.4
Mexico (New Pesos)	(Mx) 7.0703	+0.0045	854 - 850	7.0250	7.0545	-	-	-	-	-	-	
USA	(Us) 1.5645	+0.0005	640 - 650	1.5687	1.5650	1.5638	0.2	1.5662	0.1	1.5658	0.1	83.1
Pacific/Middle East/Africa												
Australia	(A) 2.0170	+0.0065	167 - 183	2.0205	1.9851	2.0064	-1.1	2.0136	-1.3	2.0432	-1.8	91.7
Hong Kong	(Hk) 1.0259	+0.0029	991 - 100	1.0255	1.0255	1.0255	-0.1	1.0213	0.4	1.0263	0.3	84.4
India	(Rs) 46.0765	+0.1277	549 - 680	49.0220	48.9410	-	-	-	-	-	-	
Japan	(Y) 156.0956	+0.533	993 - 197	156.197	155.410	154.931	0.4	153.856	4.1	148.001	4.8	188.4
Malaysia	(Ms) 3.9565	+0.0225	921 - 978	4.0033	3.9887	-	-	-	-	-	-	
New Zealand	(Ns) 2.4440	+0.0167	418 - 461	2.4482	2.4281	2.4337	-3.1	2.4456	-3.0	2.4803	-3.3	91.7
Norway	(Nr) 8.6985	+0.0203	122 - 123	8.7000	8.6985	8.6985	-0.1	8.7000	-0.1	8.7000	-0.1	84.4
Peru	(P) 15.99	+0.0202	252 - 252	16.00	15.99	15.99	-0.1	16.00	-0.1	16.00	-0.1	82.2
Spain	(Pt) 4.624	4.055	1.176 - 1.492	1.223	1.319	5.138	12.0	1.100	1.100	5.049	0.904	1.077
Sweden	(Sk) 42.81	8.167	7.178 - 8.071	2182	2.33	8.037	2142	17.0	10	1.760	1.860	1.077
Switzerland	(Sfr) 24.32	4.851	4.079 - 1.185	1.495	1.324	5.168	12.1	1.005	1.005	5.081	1	82.2
UK	(G) 9.821	8.346	8.245 - 8.245	1.198	2.715	4.008	20.9	2.047	2.047	2.195	1.565	1.276
Denmark	(DKr) 52.26	10.0	8.783 - 8.783	2.547	2.547	2.547	20.0	2.020	2.020	2.305	1.940	1.340
US	(Us) 31.81	6.084	5.535 - 5.535	1.550 - 1.647	1.622	1.735	1.520	131.6	7.431	1.308	0.939	1.017
Japan	(Y) 31.90	6.099	5.348 - 5.348	1.552 - 1.649	1.626	1.739	1.598	131.9	7.450	1.311	0.949	1.027
Ecu	39.02	7.462	6.543 - 6.543	1.600 - 1.794	1.698	1.728	0.822	195.2	1.614	1.614	1.604	0.784
Denish Krone, French Franc, Norwegian Krone, and Swedish Kronor per 10, Belgian Franc, Yen, Escudos, Lira and Pesos per 100.												

DOLLAR SPOT FORWARD AGAINST THE DOLLAR

Dec 30	Closing mid-point	Change on day	Bid/offer spread	Day's Mid high	Day's Mid low	One month Rate	%PA	Three months Rate	%PA	One year Rate	%PA	J.P. Morgan index
Europe												
Austria	(Sch) 10.9075	-0.011	050 - 100	10.9425	10.8935	10.8	0.8	10.8695	0.9	10.766	1.1	104.9
Belgium	(Bfr) 31.8300	-0.042	100 - 500	31.9200	31.8100	31.8075	0.3	31.74	1.1	31.375	1.4	105.8
Denmark	(DKr) 6.0856	-0.003	840 - 840	6.1047	6.0757	6.0867	-0.2	6.0865	-0.1	6.0703	0.2	105.4
Finland	(Fm) 4.7395	-0.0013	345 - 445	4.7609	4.7318	4.7375	0.5	4.7324	0.5	4.7177	0.5	93.6
Germany	(D) 5.3368	-0.0007	345 - 345	5.3365	5.3365	5.3365	0.2	5.3365	0.2	5.3365	0.1	105.2
Greece	(Dr) 1.5443	-0.0202	450 - 550	1.5443	1.5443	1.5443	-0.1	1.5443	-0.1	1.5451	-0.1	105.4
Ireland	(I) 1.5443	-0.0202	450 - 550	1.5443	1.5443	1.5443	-0.1	1.5443	-0.1	1.5451	-0.1	105.4
Italy	(I) 1.5443	-0.0202	450 - 550	1.5443	1.5443	1.5443	-0.1	1.5443	-0.1	1.5451	-0.1	105.4
Luxembourg	(Lf) 1.5443	-0.0202	450 - 550	1.5443	1.5443	1.5443						

4pm close December 30

NEW YORK STOCK EXCHANGE COMPOSITE PRICES

High	Low	Stock	Wk	Yr	P	Chg	Chg %	High	Low	Stock	Wk	Yr	P	Chg	Chg %	High	Low	Stock	Wk	Yr	P	Chg	Chg %			
1994	High	Low	Stock	Wk	Yr	P	Chg	Chg %	1994	High	Low	Stock	Wk	Yr	P	Chg	Chg %	1994	High	Low	Stock	Wk	Yr	P	Chg	Chg %
175	115	ABR	0.48	26	24	26	258	154	175	154	104	13	14	14	103	72	104	12	12	12	12	12	12	12	12	
1975	125	ABL Labs A	0.18	93	45	308	197	197	197	197	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12	
1979	125	ABL Labs B	1.68	23	23	23	503	197	197	197	197	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12
1972	125	ABM	1.13	11	10	10	10	10	10	10	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12	
5	32	ABX	1.2	12	9	9	32	10	10	10	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12	
56	365	ABX Corp	2.00	45	29	48	45	45	45	45	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12	
32	175	ABX Corp B	0.75	23	17	16	16	16	16	16	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12	
125	115	ABX Corp Fr	0.80	26	14	14	14	14	14	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12		
18	115	ABX Corp L	0.80	14	11	11	11	11	11	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12		
31	20	ABX Corp L	0.4	14	12	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12		
104	High	Low	Stock	Wk	Yr	P	Chg	Chg %	104	High	Low	Stock	Wk	Yr	P	Chg	Chg %	104	High	Low	Stock	Wk	Yr	P	Chg	Chg %
175	115	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104	13	13	13	212	123	104	12	12	12	12	12	12	12	12			
105	125	ABX Corp L	0.4	14	12	12	12	12	104																	

NYSE COMPOSITE PRICES

4 pm close December 31

AMEX COMPOSITE PRICES

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AMEX COMPOSITE P																					
Stock	Div.	E	100s	High	Low	Close	Chng	Stock	Div.	E	100s	High	Low	Close	Chng	Stock	Div.	E	100s	High	
Adv Magn		112	50	145	130	145	+5	Graph		62	168	57	68	64	-1	Hastco		0.28	15	1161	29.7
Alm Inc		5	261	75	64	75	-1	Government		1	355	17	17	17	-1	Hastco Ch		22	38	38	37
Alpha Ind		4	165	82	64	82	-4	General P&A		3	58	74	66	64	-2	Hatch		1	676	9.5	9.5
Am Int'l		1.94	20	2100	47	47	-4	Gencom AT		0.64	26	515	135	125	-10	Heico		0.15	14	21	9.5
Ampliflex A		1.08	13	176	62	65	+3	Genwest CA		0.40	6	211	131	124	-7	Hymann A		11	1172	52	52
Amstahl		0.0517	1575	11	185	11	-4	Genwest CB		0.46	10	151	124	12	-12						
Am Engt		1.7181	18	24	24	24	-1	Globe		0.53	42	112	107	104	-3						
Ampliflex A		1.9	187	56	52	57	+1	Goldman		10	40	24	24	24	-2	Instinet/Cp		0.12	20	38	7.5555
ASH Inc		0.19	17	288	24	25	-2	El Inds		8	180	32	34	34	-1	Int'l Coms		78	293	131	71
ASTROtech		20	160	24	24	24	-2	Glacier		24	517	145	132	132	-5	Intermagn		0.06	15	3247	15
Atlascom B		7	1201	31	32	32	-1	Dimension		9	5	415	415	415	-5	Int'l Corp		10	10	5555	7.5
Audited A		0	517	5	4	4	-1	Duplex		0.46	7	78	8	82	-2	Jan Bell		2	3690	4.5	4.5
		2	718	82	74	74	-8	Gates Co		0.46	11	35	13	13	-1	Kinmark Cp		10	10	30	30
B&H Glass		0.35	0	50	35	35	-3	Geno Bay		0.07	75	2008	11	105	-105	Kitty Eng		32	402	163	163
Badgerite		0.73	13	2125	255	255	-255	Geno En		0.32	8	97	9	65	-35	Kopitz		31	249	74	74
Baldwin T A		0.04	22	52	52	52	-52	Geno En		12	310	62	64	64	-2	Laborpa		9	154	13	13
Bally RG		1.2	450	111	104	111	+1	Geno En		26	1257	355	354	354	-1	Laser Ind		8	130	54	54
BAT/Dr		0.71	11	41	132	134	-13	Geno Gr		18	2346	127	114	125	+1	Las Pharm		2	232	10	10
Beard		0	5	15	615	15	-15	Geno Gr		13	1851	63	217	217	-1	Lemire Inc		51	147	13	13
Bibio Man		0.40	22	68	155	172	-15	Geno Inds		0.64	12	35	31	31	-1	Lynch Cp		18	18	30	30
Big-Red A		21	123	22	22	22	-2	Geno Inds		4.00	20	66	68	68	+2						
Blount A		0.57	10	74	472	463	-43	Geno P&A		0.26	8	105	102	102	-2	Macmillan		4	61	31	31
Boomer		10	125	3	23	23	-1	Geno P&A		0.56	21	71	30	29	-1	Media A		0.44	24	145	31
Bosch		0.36	9	2240	175	194	-12	Geno P&A		24	203	47	45	45	-2	Mem Co		0.20	26	16	34
Brecon A		1.04	18	148	142	144	-4	Geno P&A		3	53	45	41	41	-2	Minfield		10	10	10	10
								Geno		0.66	8	205	167	164	-12	Moog A		42	81	9.5	9.5
Cabco		1	34	5	5	5	-5	Geno P&A		0.72	14	21	21	21	-1	MSR Expl		72	335	51	51
Cambridge		0.20	14	38	26	26	-1	Geno P&A		0.70	59	355	15	15	-15	Net Post		3	1785	11	11
Cam Mkt		0.14	23	11	105	105	-105	Geno P&A		1	270	5	5	5	-5	NY TMA		0.56	15	1674	22
Chaseco A		0.01	3	925	4	925	-925	Geno P&A		0.34	8	123	57	54	-3	Marine		19	3	54	54
Chaseco		0	8	55	35	35	-35	Geno P&A		0.34	8	427	31	26	-26	MRI		13	155	11	11
Champion		10	125	3	23	23	-1	Geno P&A		0.34	8	205	167	164	-12	Paparazzi G		0.10	7	1437	11
Cirrus		0.04	22	68	155	172	-15	Geno P&A		0.34	8	205	167	164	-12	Paragon		10	10	35	35
Cirrus		0.01	22	68	155	172	-15	Geno P&A		0.34	8	205	167	164	-12	Paragon		10	10	35	35

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NASDAQ NATIONAL MARKET

4 pm close December 30

Stock	PV	Stk	Div.	E	100s	High	Low	Last	Chg
ABC Inds	0.20	13	144	124	113	173	14		
ACC Corp	0.12	11	808	144	142	142	14		
Acclaim E	141377	147	137	142	130				
Acme Mts	6	582	184	18	163	113			
Actcom Cp	32	554	274	274	274				
Adaptech	18	4795	233	227	235	14			
ADC Tele	34	12071504	492	50					
Addington	6	92	94	94	94				
Adv Serv	0.16	16	281	352	353	362	14		
Adobe Sys	0.20	21	5538	315	293	294	14		
Advance C	10	313	134	134	133	14			
Adv Logic	135	335	4	34	34	14			
Adv Polym	6	2298	42	42	42	14			
AdvTechLab	25	1319	182	173	182	14			
Advanta	0.27	10	1202	28	26	24	14		
Afymtn	14	354	175	17	173	14			
AgnicoE	0.10	32	825	113	103	102			
Air Expr	0.16	16	234	220	18	20	14		
Alico ADR	1.51	1606	584	572	593	14			
AbsGld	0.88	13	828	224	22	224	14		
Allegj S&W	11	117	102	103	102	14			
Alton Org	0.32	12	9	351	351	352	14		
Altan Ph	3	31583	63	6	6	14			
AltCap	1.00	12	189	14	132	133	14		
AltCap	0.80	11	134	134	132	133	14		
Alberta C	0.32	8	164	2	011	112			
AltGld	0.06	57	403	13	13	13	14		
Altice Co	22	5942	043	41	41	14			
Am Banker	0.72	208	24	23	24	14			
AmCivY	0.16	37	347	134	13	132	14		
Am City Bu	24	96	117	153	17	174			
Am Manag	191815	0194	132	132	132	14			
Am Med B	10	1111	54	52	52	14			
Am Softw	0.32	6	4388	34	28	3			
Am Pfrmy	23	754	192	193	192	14			
AmGraf A	0.56	13	3402	274	283	27	14		
AmintP	2	2120	133	132	133	14			
AmMin	2.38	6	91	472	462	47	14		
AmPerConv	23	7224	167	163	163	14			
Am Trav	9	355	163	163	163	14			
AmfedFin	0.24	13	123	224	22	22			
Amgen Inc	20	7531	92	587	587	14			
Amtnch Cp	0.08	12	2748	96	93	95			
Amtnfin	6	22	8	81	81				
Analogic	15	34	19	182	182	14			
Analysts	0.52	17	250	202	20	202			
AnalystAm	1.00	17	2	154	154	14			
Andrew Cp	30	16281533	524	524	133				
Andrea	11	237	162	153	162	14			
Apogee En	0.32	30	379	172	174	174	14		
APP Bio	50	855	54	53	52				
Appd Mat	16	6550	434	414	424	1			
AppleC	0.48	14	6391	376	383	39	14		
Appleses	0.05	23	4105	144	131	133	14		
Arbor Dr	0.30	22	47	21	204	204	14		
Arctos	0.19	16	317	192	191	193	14		
Argonaut	1.16	8	227	282	273	284	14		
Armor A	0.64	18	165	204	204	204	14		
Arnold	0.44	17	716	214	204	204	14		
AsperoTal	21	1538	347	332	332	14			
AST Ranch	97	4777	147	142	148	14			
Attnm	2.38	6	91	472	462	47	14		
Attnm&Conv	23	7224	167	163	163	14			
Attnm Trav	9	355	163	163	163	14			
AttnmfdFin	0.24	13	123	224	22	22			
Attnmtn	11	237	162	153	162	14			
AttnmtnEn	0.32	30	379	172	174	174	14		
APP Bio	50	855	54	53	52				
Appd Mat	16	6550	434	414	424	1			
AppleC	0.48	14	6391	376	383	39	14		
Appleses	0.05	23	4105	144	131	133	14		
Arbor Tc	0.30	22	47	21	204	204	14		
Arctos	0.19	16	317	192	191	193	14		
Argonaut	1.16	8	227	282	273	284	14		
Armor A	0.64	18	165	204	204	204	14		
Arnold	0.44	17	716	214	204	204	14		
AsperoTal	21	1538	347	332	332	14			
AST Ranch	97	4777	147	142	148	14			
Attnm	2.38	6	91	472	462	47	14		
Attnm&Conv	23	7224	167	163	163	14			
Attnm Trav	9	355	163	163	163	14			
AttnmfdFin	0.24	13	123	224	22	22			
Attnmtn	11	237	162	153	162	14			
AttnmtnEn	0.32	30	379	172	174	174	14		
APP Bio	50	855	54	53	52				
Appd Mat	16	6550	434	414	424	1			
AppleC	0.48	14	6391	376	383	39	14		
Appleses	0.05	23	4105	144	131	133	14		
Arbor Tc	0.30	22	47	21	204	204	14		
Arctos	0.16	16	317	192	191	193	14		
Argonaut	1.16	8	227	282	273	284	14		
Armor A	0.64	18	165	204	204	204	14		
Arnold	0.44	17	716	214	204	204	14		
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Brazil up, Mexico nervous

EUROPE

German stocks fall back 1.3% in low turnover

Activity on the Continent was very slow on the new year's first session. Paris and Zurich were closed.

FRANKFURT fell 1.3 per cent in minimal volume during the official session, with dealers noting that Friday's gain of 1.4 per cent had been prompted by the expiry of over-the-counter stock options and year-end window dressing.

The Dax index ended yesterday down 27.13 at 2,078.45.

With the exception of two stocks, Kaufhaus, up DM10 to DM740.00, and Metallgesell, ahead DM3 at DM43.00, all other counters moved down. In the Ibis session the Dax closed at 2,078.19.

AMSTERDAM moved forward 2.25 on the AEX index to 417.19, as the dollar's rise in the afternoon triggered late buying. Begemann, the engi-

neering company, was in favour, up Fl 5.70 or 30 per cent to Fl 33.00 following the sale of assets announced before the weekend.

MILAN marked time in very quiet trading, as the market awaited developments later in the week when President Oscar Luigi Scalfaro begins a second round of consultations to resolve the present political crisis. The Comit index rose 3.43 to 635.91.

The president said over the weekend that a majority of parliamentarians were opposed to early elections, a view shared by many investors who would prefer to see an institutional government, headed by a non-political figure, which they believe, could provide the country with a degree of stability in the near term.

STOCKHOLM accelerated as

investors indulged in new year portfolio building. The Affärsvärlden general index added 15.50 or 1 per cent at 1,495.30.

Turnover increased to SKr2.5m from SKr1.9m, with most of that arising from the purchase by PreussenElektra, of Germany, of 12m "A" shares in Sydkraft, the power generating company. Sydkraft's shares

in thin trade. The ATX index was finally just 1.07 off at 1,056.31, with nine shares up, nine down and five unchanged.

The all-share index firmed 0.32 to 429.96.

January ATX futures stood 3.70 up at 1,058.00.

Wienerberger Baustoffindustrie, the country's largest building materials group, was lower against the trend as the market corrected a Skd15 rise on Thursday to close Skd25 down at Skd15.94.

VA Technologie, the engineering and technology group, rose on news that it had reached an agreement to sell an engineering unit in Linz. The shares put on 1 per cent at Skd10.00.

WARSAW rose 2.7 per cent in stable turnover following a similar advance last Thursday.

The WIG index moved up 4.11 to 873.02 in turnover of Dkr2.55m on 1.2m shares traded. Construction stocks were particularly active.

Turnover fell after institutional investors ended their window dressing for the year-end and block trades were

In his first speech as president, Mr Cardoso reiterated his themes of greater privatisation and open markets to create a more equitable society.

Trading in São Paulo state bank Banespa and Rio de Janeiro state bank Banerj shares was halted after the central bank intervened in the two institutions on Friday. Banespa and Banerj will now be under a "temporary special administration," under which the central bank will be in charge of running the banks for at least one year.

Mexico

Equities opened nervously ahead of President Ernesto Zedillo's address to the nation, expected later yesterday.

The IPC index was down 35.40 at 2,375.66 in early trade with volume at 16m shares.

Renewed speculative pressure hit the peso in intraday trading, weakening the currency by 20 centavos against the dollar.

ASIA PACIFIC

Manila is lifted by demand for property and oil issues

Roundup

Asia Pacific trading was muted by new year holidays throughout the region.

Tokyo, Hong Kong, Sydney, Wellington, Singapore, Seoul and Bangkok were among the markets that remained closed.

BOMBAY encountered mild buying by local investors in anticipation of a rise in the

next few days when foreign and Indian mutual funds become active. The BSE 30-share index added 5.19 points at 3,932.08 as brokers noted that the market traditionally rose ahead of the February national budget in anticipation of concessions to industry.

In the shorter term, analysts were unsure of the outlook, saying it depended on how

Prime Minister P V Narasimha Rao handled his ruling party in regional elections next month seen as crucial for the continuance of the radical reforms programme.

But the market expected a cabinet reshuffle ahead of the elections, which could force the government to announce a populist national budget.

JAKARTA edged ahead in

very quiet trade as investors awaited the national budget statement on Thursday. The official index put on 0.5 at 470.14 in turnover of Rp22.15m.

COLOMBO ended marginally higher on domestic buying in thin trade. The all-share index firmed 3.55 to 990.28. Turnover fell to SLRs6.47m. KARACHI saw selective buying of index-weighted and speculative

stocks, but trading volumes remained low in the absence of foreign and institutional demand. The KSE 100-share index rose 19.12 to 2,078.00.

The government is to allow foreign companies to conduct life insurance business in Pakistan with immediate effect. Commercial Union, of the UK, has become the first with a \$4m capital base.

Nairobi reopens to foreigners

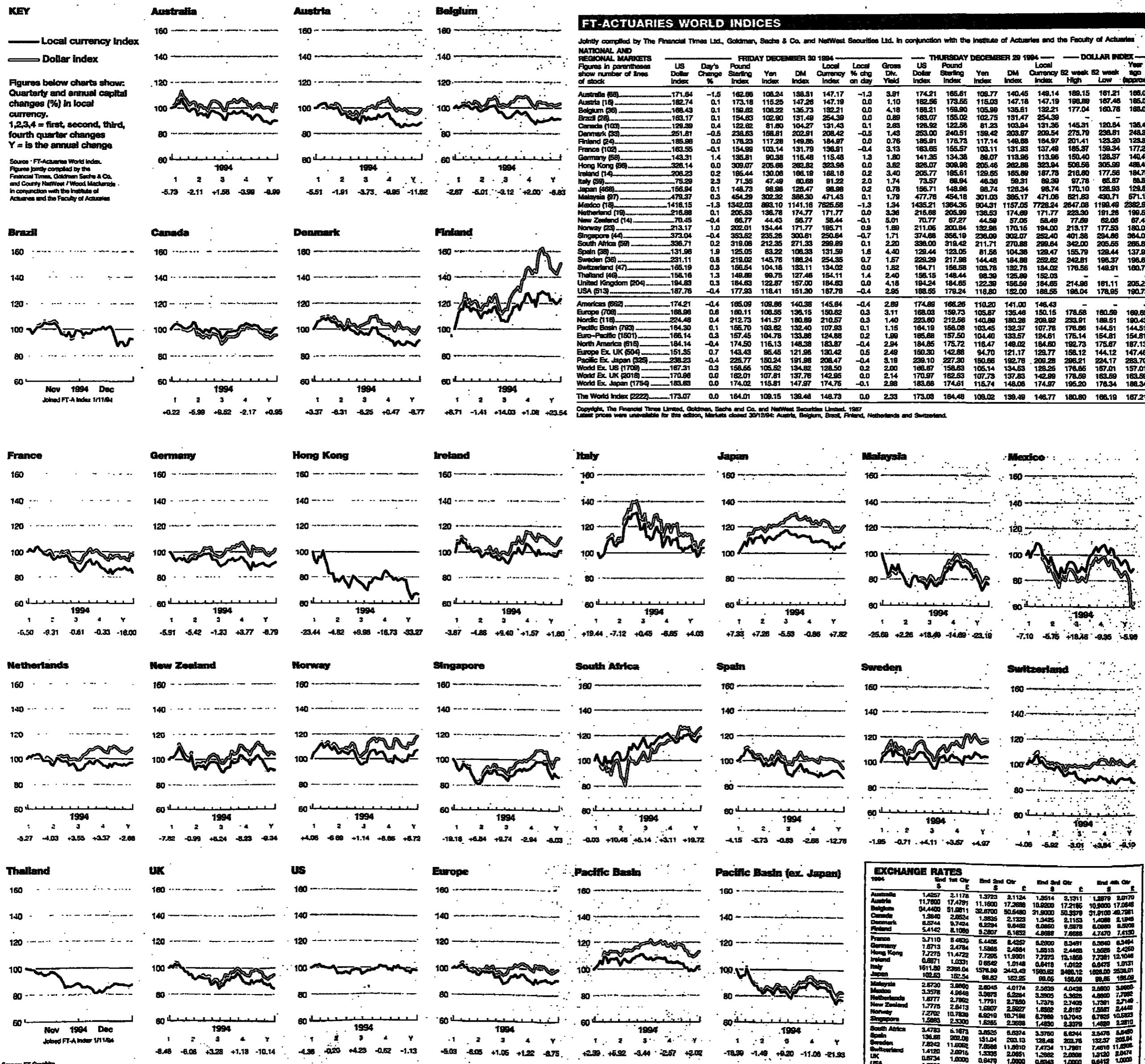
Foreign investors allowed back into the Nairobi stock exchange yesterday, for the first time in 30 years, are not expected to rush into the market until foreign exchange control is scrapped and rules barring trade in foreign-owned companies are clarified. *Reuter*

Investors from abroad were said to have expressed surprise at new rules preventing them from buying stock in companies with a majority overseas holding, unless bought from foreign shareholders. Any individual foreign investor will be allowed to hold a maximum of 2.5 per cent of the total capital that a Kenyan-controlled company has issued on the stock exchange, but combined foreign ownership will be limited to a maximum of 20 per cent of such stock.

The Nairobi stock exchange 20-share index has soared to about 4,500 points from around 3,500 last month when the government said foreign investment would be allowed in the NSE. Economists expect the index to keep rising, buoyed by foreign funds for the first time since 1985.

Capitalised at \$2.2bn, and with 56 listed companies, the Kenyan bourse is the fourth largest in Africa after South Africa, Morocco and Zimbabwe.

HOW THE WORLD MARKETS PERFORMED IN 1994



EXCHANGE RATES	1994				
	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Year
Australia	1.4257	2.1716	1.7323	2.1214	1.8879 1.9770
Austria	1.1020	1.0720	1.0500	1.0200	1.0839 1.0835
Belgium	0.9440	1.0181	1.0200	1.0200	1.0300 1.0300
Canada	1.3840	2.0832	2.1232	2.0455	1.9383 1.9385
Denmark	0.8240	0.7954	0.8294	0.8660	0.8287 0.8288
Finland	5.7110	5.6202	5.6200	5.2497	5.7110 5.7110
France	0.7073	0.6774	0.6546	0.6200	0.6200 0.6200
Germany	0.7073	0.6774	0.6546	0.6200	0.6200 0.6200
Hong Kong	7.2725	11.4722	7.7235	11.9301	7.2725 12.1046
Ireland	0.8671	1.0331	0.9540	0.9416	1.0731 1.0731
Italy	1.1817	1.1517	1.1517	1.1517	1.1517 1.1517
Japan	150.53	150.53	150.53	150.53	150.53 150.53
Malaysia	2.6730	3.8900	2.6245	3.8719	2.6730 3.8719
Mexico	3.5578	4.9840	3.8675	5.2294	3.5578 4.9840
Netherlands	1.0777	2.7952	1.7951	2.7850	1.0777 2.7952
New Zealand	1.7701	1.5807	2.0222	1.6932	1.7701 2.0222
Norway	7.7202	10.7170	8.7202	10.7170	7.7202 10.7170
Singapore	1.2983	2.3300	1.6262	2.2538	1.2983 2.2538
South Africa	1.4782	1.4782	1.4782	1.4782	1.4782 1.4782
Spain	1.4155	1.5773	1.4155	1.5773	1.4155 1.5773
Sweden	1.9545	2.2230	1.9545	2.2230	1.9545 2.2230
Switzerland	1.1880	1.1880	1.1880	1.1880	1.1880 1.1880
Thailand	1.3780	1.3780	1.3780	1.3780	1.3780 1.3780
UK	0.8460	0.8460	0.8460	0.8460	0.8460 0.8460
US	1.4782	1.4782	1.4782	1.4782	1.4782 1.4782
Europe	1.4257	2.1716	1.7323	2.1214	1.8879 1.9770
Pacific Basin	1.4257	2.1716	1.7323	2.1214	1.8879 1.9770
Pacific Basin (ex. Japan)	1.4257	2.1716	1.7323	2.1214	1.8879 1.9770